APPENDIX C

CALPUFF MODEL DESCRIPTION AND METHODOLOGY

CALPUFF MODEL DESCRIPTION AND METHODOLOGY

C.1 INTRODUCTION

As part of the new source review (NSR) requirements under Prevention of Significant Deterioration (PSD) regulations, new sources are required to address air quality impacts at PSD Class I areas. As part of the PSD analysis report submitted to the Florida Department of Environmental Protection (FDEP), the air quality impacts due to the potential emissions of the FPL Glades Power Park (FGPP) are required to be addressed at the PSD Class I areas of the Everglades National Park (NP) and Chassahowitzka National Wildlife Area (NWA). The Everglades NP is located approximately 113 kilometers (km) from FGPP and the Chassahowitzka NWA is located approximately 239 km from FGPP.

Currently, there are several air quality modeling approaches recommended by the Interagency Workgroup on Air Quality Models (IWAQM) to perform these analyses. The IWAQM consists of the U.S. Environmental Protection Agency (EPA) and Federal Land Managers (FLMs) of Class I areas who are responsible for ensuring that AQRVs are not adversely impacted by new and existing sources. These recommendations have been summarized in two documents:

- *Interagency Workgroup on Air Quality Models (IWAQM), Phase 2 Summary Report and Recommendations for Modeling Long Range Transport Impacts* (EPA, 1998), referred to as the IWAQM Phase 2 report.
- *Federal Land Managers' Air Quality Related Values Workgroup (FLAG), Phase I Report,* USFS, NPS, USFWS (12/00), referred to as the FLAG document.

For the proposed project, air quality analyses were performed that assess the plant's impacts in the PSD Class I areas using the refined modeling approach from the IWAQM Phase 2 report.

The refined analysis approach was used instead of the screening analysis approach since the air quality impacts are based on generally more realistic assumptions, include more detailed meteorological data, and are estimated at locations at the Class I area.

C.2 GENERAL AIR MODELING APPROACH

The general modeling approach was based on using the long-range transport model, California Puff model [CALPUFF, Version 5.756 (the Best Available Retrofit Technology (BART) Version)]. This version of the model was developed by the Visibility Improvement State and Tribal Association of

the Southeast (VISTAS). At distances beyond 50 km, the AERMOD model is considered to over-predict air quality impacts, because it is a steady-state model. At those distances, the CALPUFF model is recommended for use. The FLMs have requested that air quality impacts, such as for regional haze, for a source located more than 50 km from a Class I area be predicted using the CALPUFF model. The FDEP has also recommended that the CALPUFF model be used to assess if the source has a significant impact at a Class I area located beyond 50 km from the source.

C.3 MODEL SELECTION AND SETTINGS

The CALPUFF air modeling system was used to model and assess the proposed project's impacts at the PSD Class I areas for comparison to the PSD Class I significant impact levels and the PSD Class I increments. CALPUFF is a non-steady state Lagrangian Gaussian puff long-range transport model that includes algorithms for building downwash effects as well as chemical transformations (important for visibility controlling pollutants), and wet/dry deposition. CALPUFF was used in a manner that is recommended by the IWAQM Phase 2 and FLAG reports.

C.3.1 CALPUFF MODEL APPROACHES AND SETTINGS

The IWAQM has recommended approaches for performing a Phase 2 refined modeling analyses that are presented in Table C-1. These approaches involve use of meteorological data, selection of receptors and dispersion conditions, and processing of model output.

The specific settings used in the CALPUFF model are presented in Table C-2.

C.3.2 EMISSION INVENTORY AND BUILDING WAKE EFFECTS

The CALPUFF model included the facility's emission, stack, and operating data as well as building dimensions to account for the effects of building-induced downwash on the emission sources. Dimensions for all significant building structures were processed with the Building Profile Input Program (BPIP), Version 04274, and were included in the CALPUFF model input. The PSD report presents a listing of the facility's emissions and structures included in the analysis.

C.4 RECEPTOR LOCATIONS

For the refined analyses, pollutant concentrations were predicted at 901 receptors located at the Everglades NP and 113 receptors located at the Chassahowitzka NWA. These receptors were developed by the National Park Service and cover all areas along the boundary and internal areas of the Class I areas.

C.5 METEOROLOGICAL DATA

C.5.1 CALMET DOMAINS

The air modeling analysis used CALMET-developed domains that were prepared for BART applications. The data were developed by VISTAS and obtained from the FEDP for the years 2001 to 2003. The data consists of a 3-dimensional gridded domain of 4-km cell resolution.

TABLE C-1
REFINED MODELING ANALYSES RECOMMENDATIONS [a]

Model Input/Output	Description
Meteorology	Use CALMET (minimum 6 to 10 layers in the vertical; top layer must extend above the maximum mixing depth expected); horizontal domain extends 50 to 80 km beyond outer receptors and sources being modeled; terrain elevation and land-use data is resolved for the situation.
Receptors	Within Class I area(s) of concern; obtain regulatory concurrence on coverage.
Dispersion	1. CALPUFF with default dispersion settings. 2. Use MESOPUFF II chemistry with wet and dry deposition. 3. Define background values for ozone and ammonia for area.
Processing	1. For PSD increments: use highest, second highest 3-hour and 24-hour average SO_2 concentrations; highest, second highest 24-hour average PM_{10} concentrations; and highest annual average SO_2, PM_{10} and NO_x concentrations. 2. For haze: process, on a 24-hour basis, compute the source extinction from the maximum increase in emissions of SO_2, NO_x and different size categories of PM_{10} ($PM_{<0.625}$, $PM_{0.625-1.0}$, $PM_{1.0-1.25}$, $PM_{1.25-2.5}$, $PM_{2.5-6.0}$, and $PM_{6.0-10.0}$), compute the daily relative humidity factor [f(RH)], provided from an external disk file; and compute the maximum percent change in extinction using the FLM supplied background extinction data in the FLAG document. 3. For significant impact analysis: use highest annual and highest short-term averaging time concentrations for SO_2, PM_{10} and NO_x.

[a] IWAQM Phase II report (December, 1998) and FLAG document (December 2000).

TABLE C-2
CALPUFF MODEL SETTINGS

Parameter	Setting
Pollutant Species	SO_2, SO_4, NO_x, HNO_3, NO_3, $PM_{<0.625}$, $PM_{0.625-1.0}$, $PM_{1.0-1.25}$, $PM_{1.25-2.5}$, $PM_{2.5-6.0}$, $PM_{6.0-10.0}$, CO
Chemical Transformation	MESOPUFF II scheme, hourly ozone data from FDEP
Deposition	Include both dry and wet deposition, plume depletion
Meteorological/Land Use Input	CALMET
Plume Rise	Transitional, Stack-tip downwash, Partial plume penetration
Dispersion	Puff plume element, PG /MP coefficients, rural mode, ISC building downwash scheme
Terrain Effects	Partial plume path adjustment
Output	Create binary concentration file including output species for SO_4, NO_3, PM_{10}, SO_2, and NO_x; process for visibility change using Method 2 and FLAG background extinctions
Model Processing	For haze: highest predicted 24-hour extinction change (%) for the year For deposition: annual average deposition rates For significant impact analysis: highest predicted annual and highest short-term averaging time concentrations for SO_2, NO_2, PM_{10}, CO
Background Values	Ozone: hourly concentration file; Ammonia: 0.5 ppb

[a] Recommended values by the FDEP.

APPENDIX D

SO_2 AND PM EMISSION DATA FOR BACKGROUND SOURCES

TABLE D-1
SUMMARY OF SO_2 SOURCES INCLUDED IN THE AIR MODELING FOR THE AAQS AND PSD CLASS II COMPLIANCE ANALYSES
FOR THE FPL GLADES POWER PROJECT

Facility ID	Facility Name / Emission Unit Description	EU ID	CALPUFF ID Name	UTM Location East (m)	UTM Location North (m)	Stack Parameters: Height ft	Height m	Diameter ft	Diameter m	Temperature °F	Temperature K	Velocity ft/s	Velocity m/s	SO_2 Emission Rate (lb/hr)	SO_2 Emission Rate (g/s)	PSD Consuming PSD Source? (EXP/CON)	Modeled in AAQS	Modeled in PSD Class II
0430008	Atlas-Tramont Inc - South Florida Thermal Services, Inc.																	
	Thermal Soil Treatment Plant with Afterburner & Bagl	001	ATI01	489,200	2,966,600	23.0	7.01	3.2	0.98	1400	1033	123.0	37.49	19.5	2.45	CON	Yes	Yes
0510015	Southern Gardens Citrus Processing Corp.																	
	Boiler #1	001	SGARD01	487,500	2,957,600	55.0	16.76	4.0	1.22	400	478	49.6	15.12	1.78	0.22	CON	Yes	Yes
	Boiler #2	002	SGARD02	487,500	2,957,600	55.0	16.76	4.0	1.22	400	478	49.6	15.12	1.78	0.22	CON	Yes	Yes
	Boiler #3	008	SGARD08	487,500	2,957,600	55.0	16.76	4.0	1.22	400	478	49.6	15.12	1.89	0.24	CON	Yes	Yes
	Boiler #4	010	SGARD10	487,500	2,957,600	55.0	16.76	4.0	1.22	400	478	49.6	15.12	0.33	0.04	CON	Yes	Yes
	Boilers 1-4		SGARDBLR	487,500	2,957,600	55.0	16.76	4.0	1.22	400	478	49.6	15.12		0.73	CON	Yes	Yes
	Peel Dryer No. 2 with Waste Heat Evaporator	019	SGARD19	487,500	2,957,600	125.0	38.10	5.7	1.74	160	344	27.3	8.32	10.50	1.32	CON	Yes	Yes
	Peel Dryer No. 1 with Waste Heat Evaporator	003	SGARD03	487,500	2,957,600	125.0	38.10	5.7	1.74	160	344	27.3	8.32	10.50	1.32	CON	Yes	Yes
	Peel Dryers 1 and 2		SGARDDRY	487,500	2,957,600	125.0	38.10	5.7	1.74	160	344	27.3	8.32		2.65	CON	Yes	Yes
	Glades Electric Cooperative																	
	Internal Combustion Engines- 6	001	GLADELEC	487,072	2,957,479	13.0	3.96	0.83	0.25	940	778	437.5	133.35	55.30	6.97	CON	Yes	Yes
0510003	U.S. Sugar Clewiston Mill and Refinery																	
	On-crop season																	
	Boiler No. 1	001	BLR1N	506,100	2,956,900	213.0	64.92	8.0	2.44	150	339	82.9	25.27	595.1	74.98	CON	Yes	Yes
	Boiler No. 2	002	BLR2N	506,100	2,956,900	213.0	64.92	8.0	2.44	150	339	82.9	25.27	588.3	74.12	CON	Yes	Yes
	Boiler No. 4	009	BLR4N	506,100	2,956,900	150.0	45.72	8.2	2.50	160	344	88.7	27.04	36.0	4.54	CON	Yes	Yes
	Boiler No. 7	014	BLR7N	506,100	2,956,900	225.0	68.58	8.0	2.44	335	441	94.5	28.80	125.5	15.8	CON	Yes	Yes
	Boiler No. 8	028	BLR8	506,100	2,956,900	199.0	60.66	10.9	3.32	315	430	75.7	23.07	64.6	8.14	CON	Yes	Yes
	Off-crop season																	
	Boiler No. 7	014	BLR7F	506,100	2,956,900	225.0	68.58	8.0	2.44	335	441	94.5	28.80	125.5	15.8	CON	Yes	Yes
	Baseline (on-crop)																	
	Boiler No. 1	001	BLR1B	506,100	2,956,900	75.8	23.10	6.1	1.86	160	344	99.0	30.18	-462.0	-58.21	EXP	No	Yes
	Boiler No. 2	002	BLR2B	506,100	2,956,900	75.8	23.10	6.1	1.86	158	343	112.0	35.66	-462.0	-58.21	EXP	No	Yes
	Boiler No. 3	003	BLR3B	506,100	2,956,900	90.0	27.43	7.5	2.29	156	342	48.2	14.69	-263.5	-33.20	EXP	No	Yes
	East Pellet Plant		EPELLET	506,100	2,956,900	40.0	12.19	5.0	1.52	165	347	28.0	8.53	-81.7	-10.3	EXP	No	Yes
	West Pellet Plant		WPELLET	506,100	2,956,900	51.5	15.70	5.0	1.52	165	347	28.0	8.53	-81.7	-10.3	EXP	No	Yes
0990005	Okeelanta [1]																	
	Boiler 4 PSD Baseline	--	OKBLR4B	524,900	2,940,100	75.0	22.9	7.5	2.29	140	333.0	24.1	7.36	-86.9	-10.95	EXP	No	Yes
	Boiler 5 PSD Baseline	--	OKBLR5B	524,900	2,940,100	75.0	22.9	7.5	2.29	140	333.0	39.6	12.07	-124.1	-15.64	EXP	No	Yes
	Boiler 6 PSD Baseline	--	OKBLR6B	524,900	2,940,100	75.0	22.9	7.5	2.29	142	334.0	28.7	8.74	-124.1	-15.64	EXP	No	Yes
	Boiler 10 PSD Baseline	--	OKBLR10B	524,900	2,940,100	75.0	22.9	7.5	2.29	142	334.0	33.9	10.35	-136.1	-17.15	EXP	No	Yes
	Boiler 11 PSD Baseline	--	OKBLR11B	524,900	2,940,100	75.0	22.9	7.5	2.29	156	342.0	32.4	9.89	-133.3	-16.79	EXP	No	Yes
	Boilers 4-11 PSD baseline		OKBLRB	524,700	2,919,500	75.0	22.9	7.5	2.29	140	333.0	24.1	7.36		-76.17	EXP	No	Yes
	Boiler 16 PSD	--	OKBLR16	524,900	2,940,100	75.0	22.9	5.0	1.52	410	483.0	74.9	22.83	12.1	1.52	CON	Yes	Yes
0990332	New Hope Power Partnership (Okeelanta)																	
	Okeelanta Power Blrs 1,2,3		OKCOGENF	524,920	2,939,440	199.0	60.7	10.0	3.05	352	450.9	67.7	20.63	456.0	57.5	CON	Yes	Yes
0990061	U.S. Sugar Corp. Bryant Mill																	
	Boiler No. 1	001	USSBRY1	537,830	2,969,120	65.0	19.81	5.4	1.65	160	344	113.5	34.60	151	19.06	CON	Yes	Yes
	Boiler No. 2	002	USSBRY2	537,830	2,969,120	65.0	19.81	5.4	1.65	160	344	113.5	34.60	151	19.06	CON	Yes	Yes
	Boiler No. 3	003	USSBRY3	537,830	2,969,120	65.0	19.81	5.4	1.65	160	344	113.5	34.60	151	19.06	CON	Yes	Yes
	Boilers 1-3		USBRY123	537,830	2,969,120	65.0	19.81	5.4	1.65	160	344	113.5	34.60		57.19	CON	Yes	Yes
	Boiler No. 5	005	USSBRY5	537,830	2,969,120	150.0	45.72	9.5	2.90	142	334	48.4	14.76	187	23.50	CON	Yes	Yes
	Diesel Electric Generator General Motors 16-567-B	007	USSBRY7	537,830	2,969,120	28.0	8.53	1.2	0.37	475	519	40.0	12.19	5.8	0.73	CON	Yes	Yes
	Diesel Electric Generator General Motors 16-567-C	008	USSBRY8	537,830	2,969,120	28.0	8.53	1.2	0.37	475	519	42.0	12.80	6.2	0.78	CON	Yes	Yes
	Diesel Generators 1-2		USSBRY78	537,830	2,969,120	28.0	8.53	1.2	0.37	475	519	40.0	12.19		1.51	CON	Yes	Yes

TABLE D-1
SUMMARY OF SO_2 SOURCES INCLUDED IN THE AIR MODELING FOR THE AAQS AND PSD CLASS II COMPLIANCE ANALYSES
FOR THE FPL GLADES POWER PROJECT

Facility ID	Facility Name / Emission Unit Description	EU ID	CALPUFF ID Name	UTM Location East (m)	UTM Location North (m)	Stack Parameters: Height ft	Height m	Diameter ft	Diameter m	Temperature °F	Temperature K	Velocity ft/s	Velocity m/s	SO_2 Emission Rate (lb/hr)	SO_2 Emission Rate (g/s)	PSD Consuming PSD Source? (EXP/CON)	Modeled in AAQS	Modeled in PSD Class II
	Unit 1 PSD Baseline		USSBRY1B	537,830	2,969,120	65.0	19.81	5.5	1.68	430	494	145.3	44.30	-289.7	-36.50	EXP	No	Yes
	Unit 2&3 PSD Baseline		USSBRY23B	537,830	2,969,120	65.0	19.81	5.5	1.68	160	344	124.3	37.90	-579.4	-73.00	EXP	No	Yes
0990026	Sugar Cane Growers Co-Op'																	
	On-crop season																	
	Boiler No. 1	001	SCBLR1N	534,900	2,953,300	150.0	45.72	7.0	2.13	156	342	49.6	15.12	599.1	75.49	CON	Yes	Yes
	Boiler No. 2	002	SCBLR2N	534,900	2,953,300	150.0	45.72	7.0	2.13	156	342	51.1	15.58	598.9	75.46	CON	Yes	Yes
	Boiler No. 3	003	SCBLR3N	534,900	2,953,300	180.0	54.86	5.3	1.62	156	342	40.3	12.28	0.0	0.00	CON	Yes	Yes
	Boiler No. 4	004	SCBLR4N	534,900	2,953,300	180.0	54.86	8.9	2.72	162	345	54.1	16.49	0.0	0.00	CON	Yes	Yes
	Boiler No. 5	005	SCBLR5N	534,900	2,953,300	150.0	45.72	7.0	2.13	160	344	77.1	23.50	0.0	0.00	CON	Yes	Yes
	Boiler No. 8	008	SCBLR8N	534,900	2,953,300	155.0	47.24	9.5	2.90	154	341	37.6	11.46	0.0	0.00	CON	Yes	Yes
	Off-crop season																	
	Boiler No. 1	001	SCBLR1F	534,900	2,953,300	65.0	19.81	7.0	2.13	156	342	49.6	15.12	599.1	75.49	CON	Yes	Yes
	Boiler No. 4	004	SCBLR4F	534,900	2,953,300	180.0	54.86	8.9	2.72	162	345	54.1	16.49	567.6	71.51	CON	Yes	Yes
	Baseline																	
	BOILER #1 PSD Baseline Off-crop season	--	SCBLR1BF	534,900	2,953,300	79.1	24.10	5.5	1.68	395	474.80	52.3	15.94	-236.2	-29.80	EXP	No	Yes
	BOILER #2 PSD Baseline Off-crop season	--	SCBLR2BF	534,900	2,953,300	79.1	24.10	5.5	1.68	405	480.40	58.6	17.88	-236.2	-29.80	EXP	No	Yes
	BOILER #3 PSD Baseline Off-crop season	--	SCBLR3BF	534,900	2,953,300	79.1	24.10	5.5	1.68	470	516.50	54.1	16.50	-177.6	-22.40	EXP	No	Yes
	Boilers 1-3 PSD Baseline off-Crop		BLR123BF	534,900	2,953,300	79.1	24.10	5.5	1.68	395	474.80	52.3	15.94		-82.00	EXP	No	Yes
	BOILER #4 PSD Baseline Off-crop season	--	SCBLR4BF	534,900	2,953,300	86.0	26.20	5.3	1.62	149	338.20	32.4	9.88	-205.6	-25.91	EXP	No	Yes
	BOILER #5 PSD Baseline Off-crop season	--	SCBLR5BF	534,900	2,953,300	79.1	24.10	6.7	2.03	490	527.60	93.2	28.42	-315.0	-39.69	EXP	No	Yes
	BOILER #6 PSD Baseline Off-crop season	--	SCBLR6BF	534,900	2,953,300	40.0	12.20	5.0	1.52	630	605.40	21.4	6.53	-147.7	-18.61	EXP	No	Yes
	BOILER #7 PSD Baseline Off-crop season	--	SCBLR7BF	534,900	2,953,300	40.0	12.20	5.0	1.52	630	605.60	56.4	17.20	-353.8	-44.58	EXP	No	Yes
	BOILER #1 PSD Baseline On-crop season	--	SCBLR1BN	534,900	2,953,300	79.1	24.10	5.5	1.68	395	474.80	52.3	15.94	-149.8	-18.87	EXP	No	Yes
	BOILER #2 PSD Baseline On-crop season	--	SCBLR2BN	534,900	2,953,300	79.1	24.10	5.5	1.68	405	480.40	58.6	17.88	-149.8	-18.87	EXP	No	Yes
	BOILER #3 PSD Baseline On-crop season	--	SCBLR3BN	534,900	2,953,300	79.1	24.10	5.5	1.68	470	516.50	54.1	16.50	-112.4	-14.16	EXP	No	Yes
	Boilers 1-3 PSD Baseline On-Crop		BLR123BN	534,900	2,953,300	79.1	24.10	5.5	1.68	395	474.80	52.3	15.94		-51.91	EXP	No	Yes
	BOILER #4 PSD Baseline On-crop season	--	SCBLR4BN	534,900	2,953,300	86.0	26.20	5.3	1.62	149	338.20	32.4	9.88	-205.6	-25.91	EXP	No	Yes
	BOILER #5 PSD Baseline On-crop season	--	SCBLR5BN	534,900	2,953,300	79.1	24.10	6.7	2.03	490	527.60	93.2	28.42	0.0	0.00	EXP	No	Yes
	BOILER #6 PSD Baseline On-crop season	--	SCBLR6BN	534,900	2,953,300	40.0	12.20	5.0	1.52	630	605.40	21.4	6.53	0.0	0.00	EXP	No	Yes
	BOILER #7 PSD Baseline On-crop season	--	SCBLR7BN	534,900	2,953,300	40.0	12.20	5.0	1.52	630	605.60	56.4	17.20	-121.8	-15.35	EXP	No	Yes
0990019	Osceola Farms																	
	Unit 2	--	OSBLR2	544,200	2,968,000	90.0	27.4	5.0	1.52	156	342.0	40.7	12.41	228.9	28.84	CON	Yes	Yes
	Unit 3	--	OSBLR3	544,200	2,968,000	90.0	27.4	6.25	1.91	154	340.9	38.8	11.84	229.2	28.88	CON	Yes	Yes
	Unit 4	--	OSBLR4	544,200	2,968,000	90.0	27.4	6.0	1.83	154	340.7	59.5	18.14	228.9	28.84	CON	Yes	Yes
	Unit 5a	--	OSBLR5A	544,200	2,968,000	90.0	27.4	5.0	1.52	150	338.7	56.9	17.33	115.9	14.60	CON	Yes	Yes
	Unit 5b	--	OSBLR5B	544,200	2,968,000	90.0	27.4	5.0	1.52	150	338.7	46.7	14.23	115.9	14.60	CON	Yes	Yes
	Unit 6	--	OSBLR6	544,200	2,968,000	90.0	27.4	6.17	1.88	151	339.3	53.0	16.14	250.1	31.51	CON	Yes	Yes
	Units 2-6		OSBLR5B	544,200	2,968,000	90.0	27.4	5.0	1.52	150	338.7	46.7	14.23		147.28	CON	Yes	Yes
	Baseline																	
	Unit 1 PSD Baseline	--	OSBLR1B	544,200	2,968,000	72.2	22.0	5.0	1.52	156	342.0	26.8	8.18	-40.2	-5.07	EXP	No	Yes
	Unit 2 PSD Baseline	--	OSBLR2B	544,200	2,968,000	72.2	22.0	5.0	1.52	154	341.0	59.4	18.10	-129.5	-16.32	EXP	No	Yes
	Unit 3 PSD Baseline	--	OSBLR3B	544,200	2,968,000	72.2	22.0	6.3	1.93	154	341.0	42.6	14.50	-57.6	-7.26	EXP	No	Yes
	Unit 4 PSD Baseline	--	OSBLR4B	544,200	2,968,000	72.2	22.0	6.0	1.83	154	341.0	61.7	18.80	-108.0	-13.61	EXP	No	Yes
0850001	FPL - Martin Power Plant																	
	Units 1&2	1-2	MART12	542,680	2,992,650	499.0	152.1	26.2	8.0	338	443	68.7	20.94	13,840.0	1743.8	NO	Yes	No
	Units 3&4	3-6	MART34	542,680	2,992,650	213.0	64.9	20.0	6.1	280	410.9	62.0	18.90	3,733.3	470.4	CON	Yes	Yes
	Aux Boiler	7	MARTAUX	542,680	2,992,650	60.0	18.3	3.6	1.1	504	535.4	50.0	15.24	102.4	12.9	CON	Yes	Yes
	Diesel Generator	9	MARTGEN	542,680	2,992,650	25.0	7.6	1.0	0.3	955	785.9	130.0	39.62	4.0	0.5	CON	Yes	Yes
	Unit 8 (EUs 11, 12, 17, &18)	--	MARTBOIL	542,680	2,992,650	120.0	36.6	19.0	5.8	296	420.0	73.5	22.40	412.4	52.0	CON	Yes	Yes
0710002	FPL - Fort Myers Plant																	
	Unit 1 PSD	1	FMU1	422,300	2,952,900	301.1	91.8	9.5	2.90	300	422.0	98.1	29.90	-4,646.8	-585.50	EXP	No	Yes

TABLE D-1
SUMMARY OF SO_2 SOURCES INCLUDED IN THE AIR MODELING FOR THE AAQS AND PSD CLASS II COMPLIANCE ANALYSES
FOR THE FPL GLADES POWER PROJECT

Facility ID	Facility Name / Emission Unit Description	EU ID	CALPUFF ID Name	UTM Location East (m)	UTM Location North (m)	Stack Parameters: Height ft	Height m	Diameter ft	Diameter m	Temperature °F	Temperature K	Velocity ft/s	Velocity m/s	SO_2 Emission Rate (lb/hr)	SO_2 Emission Rate (g/s)	PSD Consuming PSD Source? (EXP/CON)	Modeled In AAQS	Modeled In PSD Class II
	Unit 2 PSD	2	FMU2	422,300	2,952,900	395.5	121.2	18.1	5.52	275	408.0	63.0	19.20	-10,587.3	-1334.0	EXP	No	Yes
	CT/HRSGs 2A - 2F	18-23	FMYHR1_6	472,300	2,952,900	125.0	38.1	19.0	5.79	220	377.6	70.3	21.4	30.6	3.9	CON	Yes	Yes
	Combustion Turbines 1 -12	3-14	FMYCT1T2	422,300	2,952,900	32.0	9.75	11.4	3.47	975	797.0	189.4	57.7	4,800.0	604.8	NO	Yes	No
	CTs 3A - 3B	27-28	FMYCT3	422,300	2,952,900	80.0	24.38	20.5	6.25	1116	875.4	120.7	36.8	206.2	26.0	CON	Yes	Yes
0450018	TECO - Philips:																	
	19.535 Mw Slow Speed Diesel Generating Unit 1	1	TECOPH1	464,300	3,035,400	150.0	45.72	6.0	1.83	335	441.5	98.1	29.90	460.0	58.0	CON	Yes	Yes
	19.535 Mw Slow Speed Diesel Generating Unit 2	2	TECOPH2	464,300	3,035,400	150.0	45.72	6.0	1.83	350	449.8	63.0	19.20	460.0	58.0	CON	Yes	Yes
0850102	Indiantown Cogeneration LP - Indiantown Plant																	
	Pulverized Coal Main Boiler	1	INDTOWN1	547,650	2,990,700	495.0	150.9	16.0	4.88	140	333.2	93.2	28.4	582.0	73.3	CON	Yes	Yes
	(2) Auxiliary Boilers and Temporary Auxiliary Boiler	3	INDTOWN3	547,650	2,990,700	210.0	64.0	5.0	1.52	350	449.8	87.6	26.7	18.0	2.3	CON	Yes	Yes
0990016	Atlantic Sugar [b]																	
	Unit 1	--	ATLSUG1	552,900	2,945,200	90.0	27.4	6.0	1.83	163	346.0	58.9	17.97	67.0	8.44	CON	Yes	Yes
	Unit 2	--	ATLSUG2	552,900	2,945,200	90.0	27.4	6.0	1.83	170	350.0	76.6	23.36	67.0	8.44	CON	Yes	Yes
	Unit 3	--	ATLSUG3	552,900	2,945,200	90.0	27.4	6.0	1.83	170	350.0	70.7	21.56	65.8	8.29	CON	Yes	Yes
	Unit 4	--	ATLSUG4	552,900	2,945,200	90.0	27.4	6.0	1.83	160	344.0	82.5	25.16	65.5	8.25	CON	Yes	Yes
	Units 1-4		ATLSUG14	552,900	2,945,200	90.0	27.4	6.0	1.83	163	346.0	58.9	17.97		33.43	CON	Yes	Yes
	Unit 5 PSD [a]	--	ATLSUG5	552,900	2,945,200	90.0	27.4	5.5	1.68	151	339.0	63.1	19.24	48.4	6.10	CON	Yes	Yes
	Baseline																	
	Unit 1 PSD Baseline	--	ATLSUG1B	552,900	2,945,200	62.0	18.9	6.3	1.92	451	506.0	41.7	12.70	-136.8	-17.24	EXP	No	Yes
	Unit 2 PSD Baseline	--	ATLSUG2B	552,900	2,945,200	62.0	18.9	6.3	1.92	460	511.0	35.8	10.90	-178.6	-22.50	EXP	No	Yes
	Unit 3 PSD Baseline	--	ATLSUG3B	552,900	2,945,200	71.8	21.9	6.0	1.83	480	522.0	57.4	17.50	-134.0	-16.88	EXP	No	Yes
	Unit 4 PSD Baseline	--	ATLSUG4B	552,900	2,945,200	60.0	18.3	6.0	1.83	160	344.0	49.2	15.00	-85.4	-10.76	EXP	No	Yes
0550004	TECO-Sebring/Dinner Lake																	
	Steam Boiler	1	TECOSEBR	456,800	3,042,500	75.0	22.9	6.0	1.83	140	394.3	19.0	5.8	-299.9	-37.8	EXP	No	Yes
0550003	Florida Power Corp D/B/A Progress Energy FL - Avon Park																	
	Gas Turbine Peaking Unit No. 1	3	PEAVON3	451,400	3,050,500	55.0	16.8	10.0	3.05	850	727.6	424.4	129.4	577.0	72.7	NO	Yes	No
	Gas Turbine Peaking Unit No. 2	4	PEAVON4	451,400	3,050,500	55.0	16.8	10.0	3.05	850	727.6	424.4	129.4	577.0	72.7	NO	Yes	No

Note: EXP = PSD expanding source
CON = PSD consuming source
NO = Baseline Source, does not affect PSD increment
ND = No data available

[a] Facilities or sources within facilities that operate only during the October 1 through April 31 crop season.

[b] Sugar mill sources that operate all year.

[c] Facility-wide SO_2 emission limit of 14 tons/day (1,166.7) lb/hr). Only Boilers 1 and 4 operate during off-crop season.

TABLE D-1
SUMMARY OF PM_{10} SOURCES INCLUDED IN THE AIR MODELING FOR THE AAQS AND PSD CLASS II COMPLIANCE ANALYSES FOR THE FPL GLADES POWER PROJECT

Facility ID	Facility Name / Emission Unit Description	Model ID Name	UTM Location East (m)	UTM Location North (m)	Stack Parameters Height ft	Height m	Diameter ft	Diameter m	Temperature °F	Temperature K	Velocity fps	Velocity mps	PM_{10} Emission Rate (lb/hr)	PM_{10} Emission Rate (g/s)	PSD Consuming PSD Source? (EXP/CON)	Modeled In AAQS	Modeled In PSD Class II
510003	U.S. Sugar Clewiston Mill and Refinery																
	On-crop season																
	Boiler No. 1	BLR1N	506,100	2,956,900	213.0	64.92	8.0	2.44	150	339	82.9	25.27	125.9	15.86	CON	Yes	Yes
	Boiler No. 2	BLR2N	506,100	2,956,900	213.0	64.92	8.0	2.44	150	339	82.9	25.27	111.3	14.1	CON	Yes	Yes
	Boiler No. 4	BLR4N	506,100	2,956,900	150.0	45.72	8.2	2.50	245	391	85.7	27.04	96.0	31.5	CON	Yes	Yes
	Boiler No. 7	BLR7N	506,100	2,956,900	225.0	68.58	8.0	2.44	335	441	94.5	28.80	22.1	2.78	CON	Yes	Yes
	All year																
	Boiler No. 8	BLR8	506,100	2,956,900	199.0	60.66	10.9	3.32	315	430	75.7	23.07	26.9	3.39	CON	Yes	Yes
	Off-crop season																
	Boiler No. 1	BLR1F	524,920	2,939,440	213.0	64.92	8.0	2.44	150	339	82.9	25.27	125.9	15.86	CON	Yes	Yes
	Boiler No. 2	BLR2F	524,920	2,939,440	213.0	64.92	8.0	2.44	150	339	82.9	25.27	111.6	14.1	CON	Yes	Yes
	Boiler No. 4	BLR4F	524,920	2,939,440	150.0	45.72	8.2	2.50	245	391	85.7	27.04	96.0	31.5	CON	Yes	Yes
	PSD Baseline (On Crop season only)																
	Unit 1 PSD Baseline	USSBRL1B	506,100	2,956,900	75.8	23.1	6.1	1.86	160	344.0	99.1	30.20	-59.37	-7.48	EXP	No	Yes
	Unit 2 PSD Baseline	USSBRL2B	506,100	2,956,900	75.8	23.1	6.1	1.86	155	343.0	117.3	35.70	-55.87	-7.04	EXP	No	Yes
	Unit 5 PSD Baseline	USSBRL5B	506,100	2,956,900	90.0	27.4	7.5	2.29	158	342.0	48.2	14.70	-26.50	-3.34	EXP	No	Yes
	East Pellet Plant PSD Baseline	EPELLET	506,100	2,956,900	40.0	12.2	5.0	1.52	165	347.0	28.0	8.54	-19.41	-2.09	EXP	No	Yes
	West Pellet Plant PSD Baseline	WPELLET	506,100	2,956,900	51.5	15.7	5.0	1.52	165	347.0	28.0	8.54	-6.51	-0.82	EXP	No	Yes
	Units 5&6 PSD Baseline	USSLR56B	506,100	2,956,900	75.8	23.1	6.1	1.86	470	494.0	145.3	44.30	-420.00	-52.92	EXP	No	Yes
0950085	Okeelanta Corp.[3]																
	Boiler No. 4 PSD Baseline	OKBLR4B	524,700	2,939,500	75.0	22.9	7.5	2.29	140	333.0	24.1	7.36	-55.32	-6.97	EXP	No	Yes
	Boiler No. 5 PSD Baseline	OKBLR5B	524,700	2,939,500	75.0	22.9	7.5	2.29	140	333.0	59.6	12.87	-70.79	-8.92	EXP	No	Yes
	Boiler No. 6 PSD Baseline	OKBLR6B	524,700	2,939,500	75.0	22.9	7.5	2.29	142	334.0	28.7	8.76	-77.70	-9.79	EXP	No	Yes
	Boiler No. 10 PSD Baseline	OKBLR10B	524,700	2,939,500	75.0	22.9	7.5	2.29	142	334.0	53.9	10.15	-85.32	-10.75	EXP	No	Yes
	Boiler No. 13 PSD Baseline	OKBLR13B	524,700	2,939,500	75.0	22.9	7.5	2.29	156	342.0	32.4	9.89	-83.57	-10.53	EXP	No	Yes
	Boilers 4-13 PSD baseline	OKBLRB	524,700	2,939,500	75.0	22.9	7.5	2.29	140	333.0	24.1	7.36		-46.96	EXP	No	Yes
	Boiler No. 16 PSD[3]	OKBLR16	524,700	2,939,500	75.0	22.9	5.0	1.52	430	495.0	74.9	22.83	6.30	0.77	CON	Yes	Yes
0290032	New Hope Power Partnership (Okeelanta)																
	Okeelanta Power Blrs 1,2,3[3]	OKCOGEN1	524,920	2,939,440	199.0	60.7	10.0	3.05	352	450.9	83.6	19.39	64.50	8.13	CON	Yes	Yes
990001	U.S. Sugar - Bryant[3]																
	Boilers 1-3	USBRY123	537,830	2,969,120	85.0	19.8	5.4	1.65	160	344.3	115.5	34.61	346.51	43.66	CON	Yes	Yes
	Boiler No. 5	USBRY5	537,830	2,969,120	150.0	45.7	9.5	2.90	142	334.3	50.6	15.41	87.50	11.02	CON	Yes	Yes
	Unit 1 PSD Baseline	USBRY1B	537,830	2,969,120	65.0	19.8	5.5	1.68	430	494.0	145.3	44.30	653.97	-82.40	EXP	No	Yes
	Unit 2&3 PSD Baseline	USBRY23B	537,830	2,969,120	65.0	19.8	5.5	1.68	380	344.0	124.3	37.91	-95.56	-12.04	EXP	No	Yes
990028	Sugar Cane Growers Coop.[3]																
	On-crop season																
	Boiler No. 1	SCBLR1N	534,900	2,953,300	150.0	45.7	7.0	2.13	156	342	39.0	11.89	66.70	8.40	CON	Yes	Yes
	Boiler No. 2	SCBLR2N	534,900	2,953,300	150.0	45.7	7.0	2.13	156	342	39.8	12.07	66.00	8.32	CON	Yes	Yes
	Boiler No. 3	SCBLR3N	534,900	2,953,300	180.0	54.9	5.3	1.62	156	342	40.3	12.30	52.50	6.62	CON	Yes	Yes
	Boiler No. 4	SCBLR4N	534,900	2,953,300	180.0	54.9	8.9	2.72	162	345	48.0	14.63	114.50	14.43	CON	Yes	Yes
	Boiler No. 5	SCBLR5N	534,900	2,953,300	150.0	45.7	7.0	2.13	160	344	77.1	23.50	109.50	13.83	CON	Yes	Yes
	Boiler No. 8	SCBLR8N	534,900	2,953,300	155.0	47.3	9.5	2.90	154	341	37.6	11.47	75.60	9.53	CON	No	Yes
	Off-crop season																
	Boiler No. 1	SCBLR1F	534,900	2,953,300	150.0	45.7	7.0	2.13	156	342	39.0	11.88	66.70	8.40	CON	Yes	Yes
	Boiler No. 4	SCBLR4F	534,900	2,953,300	180.0	54.9	8.9	2.72	162	345	48.0	14.64	114.50	14.43	CON	Yes	Yes
	Baseline																
	Boiler No. 1 PSD Baseline Off-crop season	SCBLR1BF	534,900	2,953,300	79.1	24.1	5.5	1.68	395	475	52.3	15.95	-64.50	-8.10	EXP	No	Yes
	Boiler No. 2 PSD Baseline Off-crop season	SCBLR2BF	534,900	2,953,300	79.1	24.1	5.5	1.68	405	480	58.7	17.90	-113.20	-14.30	EXP	No	Yes
	Boiler No. 5 PSD Baseline Off-crop season	SCBLR5BF	534,900	2,953,300	79.1	24.1	5.5	1.68	470	517	54.1	16.49	0.00	0.00	EXP	No	Yes
	Boilers 1-5 PSD Baseline off Crop	BLR12PB	534,900	2,953,300	79.1	24.10	5.5	1.68	395	475	52.3	15.95		-22.40	EXP	No	Yes
	Boiler No. 4 PSD Baseline Off-crop season	SCBLR4BF	534,900	2,953,300	86.0	26.2	5.3	1.62	149	338	32.4	9.86	-48.10	-6.06	EXP	No	Yes
	Boiler No. 5 PSD Baseline Off-crop season	SCBLR5BF	534,900	2,953,300	79.1	24.1	6.7	2.03	490	528	93.2	28.41	-164.60	-20.70	EXP	No	Yes
	Boiler No. 6 PSD Baseline Off-crop season	SCBLR6BF	534,900	2,953,300	40.0	12.2	5.0	1.52	670	605	21.4	6.52	0.00	0.00	EXP	No	Yes
	Boiler No. 7 PSD Baseline Off-crop season	SCBLR7BF	534,900	2,953,300	40.0	12.2	5.0	1.52	630	606	56.4	17.20	0.00	0.00	EXP	No	Yes
	Boiler No. 1 PSD Baseline On-crop season	SCBLR1BN	534,900	2,953,300	79.1	24.1	5.5	1.68	395	475	52.3	15.95	95.60	-12.00	EXP	No	Yes
	Boiler No. 2 PSD Baseline On-crop season	SCBLR2BN	534,900	2,953,300	79.1	24.1	5.5	1.68	405	480	58.7	17.90	-174.50	-22.00	EXP	No	Yes
	Boiler No. 5 PSD Baseline On-crop season	SCBLR5BN	534,900	2,953,300	79.1	24.1	5.5	1.68	470	517	54.1	16.49	-54.90	-11.60	EXP	No	Yes
	Boilers 1-5 PSD Baseline On Crop	BLR12PB	534,900	2,953,300	79.1	24.10	5.5	1.68	395	475	52.3	15.95		-45.00	EXP	No	Yes
	Boiler No. 4 PSD Baseline On-crop season	SCBLR4BN	534,900	2,953,300	86.0	26.2	5.3	1.62	149	338	32.4	9.86	-85.10	-9.60	EXP	No	Yes
	Boiler No. 5 PSD Baseline On-crop season	SCBLR5BN	534,900	2,953,300	79.1	24.1	6.7	2.03	490	528	93.2	28.41	-117.40	-14.80	EXP	No	Yes
	Boiler No. 6 PSD Baseline On-crop season	SCBLR6BN	534,900	2,953,300	40.0	12.2	5.0	1.52	630	605	21.4	6.52	-3.70	-0.50	EXP	No	Yes
	Boiler No. 7 PSD Baseline On-crop season	SCBLR7BN	534,900	2,953,300	40.0	12.2	5.0	1.52	630	606	56.4	17.20	-8.60	-1.10	EXP	No	Yes
850001	FPL - Martin																
	Units 1&2	MARTI12	542,600	2,992,650	499.0	152.1	20.2	7.99	298	420.9	80.0	21.03	1300.00	227.81	NO	Yes	No
	Units 3&4	MARTI34	542,600	2,992,650	213.0	64.9	20.0	6.10	289	410.9	62.0	18.90	242.40	30.54	CON	Yes	Yes
	Aux Boiler	MARTAUX	542,600	2,992,650	60.0	18.3	3.6	1.10	504	535.4	50.0	15.24	0.10	0.01	CON	Yes	Yes
	Diesel Generator	MARTAGEN	542,600	2,992,650	25.0	7.6	1.0	0.30	955	785.9	150.0	39.62	2.13	0.27	CON	Yes	Yes
	Units 11 (1's 21, 12, 17, & 18)	MARTNGIL	542,650	2,992,650	120.0	36.6	19.0	5.79	296	420.0	75.5	22.40	106.00	13.65	CON	Yes	Yes
710002	FPL - Fort Myers																
	Unit 1 FMP	FMP1	422,300	2,952,000	301.1	91.8	9.5	2.90	300	422.0	98.1	29.89	-189.05	-23.90	EXP	No	Yes
	Unit 2 FMP2	FMP2	422,300	2,952,000	397.5	121.2	18.1	5.52	275	408.0	63.0	19.20	-184.92	-46.90	EXP	No	Yes
	1990s in 1-5	FMPHRI 6	422,300	2,952,000	125.0	38.1	19.0	5.79	220	377.6	70.3	21.43	69.00	7.58	CON	Yes	Yes
	Combustion Turbines 1-12	FMPCT112	422,300	2,952,000	32.0	9.8	11.4	3.47	975	797.0	169.4	51.73	922.20	78.40	CON	Yes	Yes
	CTs 13-18	FMPCT13	422,300	2,952,000	80.0	24.4	20.5	6.25	1110	875.4	120.7	36.79	54.00	6.26	CON	Yes	Yes

NOTE:
EXP = EXP's baseline source
CON = PSD consuming source
NO = Baseline Source, does not affect PSD increment
ND = No data available

[1] Only Boilers 1 and 4 operate during the off-crop season. Represents worst-case emissions for 3-hr 1 through Sept. 31 off-crop season operations and October 1 through April 30 for on-crop season.
[2] Facilities or sources that operate only during the October 1 through April 30 crop season.
[3] Sugar mill sources that operate all year.

TABLE D-3
SUMMARY OF SO_2 SOURCES INCLUDED IN THE AIR MODELING FOR THE PSD CLASS I INCREMENT CONSUMPTION ANALYSES AT THE EVERGLADES NP
FPL GLADES POWER PARK PROJECT

Facility ID	Facility Name / Emission Unit Description	EU ID	CALPUFF ID Name	UTM Location X (m)	UTM Location Y (m)	LCC Location X (km)	LCC Location Y (km)	Stack Parameters: Height ft	Height m	Diameter ft	Diameter m	Temperature °F	Temperature K	Velocity ft/s	Velocity m/s	SO_2 Emission Rate (lb/hr)	SO_2 Emission Rate (g/sec)	PSD Source? * (EXP/CON)	Modeled PSD Source?
	FPL Turkey Point Expansion																		
	100%L/35F, NO w/DF		FPLTURPT	567200	2813200	1,700.317	-1,467.817	131	39.9	19.0	5.79	188.3	360.0	61.0	18.60	53.02	6.68	CON	Yes
0250348	Miami-Dade County RRF																		
	Units 1, 2, 3, & 4		MDCRRF	563800	2837600	1,688.832	-1,423.644	250	76.2	8.5	2.59	300.0	422.0	66.7	20.33	195.60	24.65	CON	Yes
0250020	Tarmac																		
	Kiln 1 PSD Baseline		TARMK1B	562,900	2,861,700	1,687.186	-1,419.675	200	61.0	8.0	2.44	377.3	465.0	42.1	12.84	-45.32	-5.71	EXP	Yes
	Kiln 2 PSD Baseline		TARMK2B	562,900	2,861,700	1,687.186	-1,419.675	200	61.0	8.0	2.44	377.3	465.0	42.1	12.84	-45.32	-5.71	EXP	Yes
	Kiln 3 PSD Baseline		TARMK3B	562,900	2,861,700	1,687.186	-1,419.675	200	61.0	15.0	4.57	389.9	472.0	35.4	10.78	-21.90	-2.76	EXP	Yes
	Kiln 2 PSD		TABMK2	562,900	3,861,700	1,687.186	-1,419.675	200	61.0	8.0	2.44	299.9	422.0	29.8	9.10	195.00	24.57	CON	Yes
	Kiln 3 PSD		TARMK3	562,900	2,861,700	1,687.186	-1,419.675	200	61.0	15.0	4.57	350.3	450.0	36.2	11.04	408.17	51.43	CON	Yes
7775212	WEEKLEY ASPHALT PAVING, INC.																		
	Asphalt Drum Mix Plant and Asphalt Cement Heater		WAPAV	557310	2880600	1,678.157	-1,401.641	27	8.2	3.3	1.0	275.0	408.2	93.8	28.6	13.61	1.71	CON	Yes
0112410	South Florida Water Mgmt. District - Pump Stns S-9 & S-9A																		
	Five Diesel Engines		SFWMPS9A	555,100	2,862,440	1,675.610	-1,400.186	28	8.53	1.2	0.36	735.0	663.7	135.2	41.21	11.19	1.41	CON	Yes
0112149	Fred Hunter's memorial Services, Inc.																		
	150 LB/HR CREMATOR IE41-IIPP	1	FHUNT1	578600	2878500	1,699.863	-1,399.913	20.0	6.10	1.7	0.52	700.0	644.3	24.0	7.32	0.60	0.08	CON	Yes
	IE43-ET CREMATION INCINERATOR	2	FHUNT2	578600	2878500	1,699.863	-1,399.913	20.0	6.10	1.7	0.52	200.0	366.5	30.0	9.14	0.08	0.01	CON	Yes
0112119	Wheelabrator South Broward, Inc.																		
	MSW Combustor & Auxiliary Burners- Units 1, 2, & 3		SBCRRF	578,870	2,881,390	1,699.244	-1,394.939	195	59.4	13.0	3.96	226.1	381.0	59.1	18.01	105.30	13.27	CON	Yes
0110037	Florida Power & Light (FPL) - Fort Lauderdale																		
	CTs 1-4 PSD		LAUDU45	579,390	2,883,360	1,699.770	-1,394.876	150	45.7	18.0	5.49	330.0	438.7	47.9	14.60	2151.98	271.15	CON	Yes
	GT 1-12 (0.5% fuel oil)		LDGT1_12	579,390	2,883,360	1,699.770	-1,394.876	45	13.7	7.8	2.37	860.1	733.2	374.9	114.31	4387.30	552.80	NO	No
	GT 13-24 (0.5% fuel oil)		LDGT1324	579,390	2,883,360	1,699.770	-1,394.876	44	13.4	15.6	4.75	860.1	733.2	93.3	28.43	4387.30	552.80	NO	No
	4&5 PSD Baseline		FTLAU45B	579,390	2,883,360	1,699.770	-1,394.876	151	46.0	14.0	4.27	299.9	422.0	48.0	14.63	-3626.98	-457.00	EXP	Yes
0110351	South Florida Water Management District - Pump Stns S-8 & G																		
	Five diesel engines		SFWMDS8	522,260	2,912,270	1,637.346	-1,376.047	12	3.66	2.0	0.61	660.0	622.0	31.6	9.63	4.75	0.60	CON	Yes
0210018	Florida Rock Industries																		
	Diesel engine drives for crushers, conveyers, screens, etc.	2	FLROCK2	467,800	2,905,800	1,583.982	-1,392.250	12	3.7	ND	ND	300.0	422.0	ND	ND	2.07	0.26	CON	Yes
0110036	FPL - Port Everglades Plant																		
	Units 1&2 at 2.5%s fuel oil		PTEVU12	587,400	2,885,300	1,707.438	-1,391.473	342.8	104.5	14.0	4.27	289.0	415.9	87.7	26.72	12650.0	1593.9	NO	No
	Units 3&4 at 2.5%s fuel oil		PTEVU34	587,400	2,885,300	1,707.438	-1,391.473	342.8	104.5	18.1	5.52	287.0	414.8	78.3	23.88	22000.0	2772.0	NO	No
	GT 1-12 (0.5% fuel oil)		PTEVGTS	587,400	2,885,300	1,707.438	-1,391.473	44.0	13.4	15.6	4.75	860.1	733.2	93.3	28.43	4211.9	530.7	NO	No
7774818	Better Roads, Inc. - Naples Plant																		
	Asphalt Plant & Concrete, Asphalt, & Rock Crushing Machine		BRINAP	432,500	2,889,700	1,551.477	-1,414.699	35	10.67	4.3	1.31	320.0	433.2	51.6	15.73	26.70	3.36	CON	Yes
0210039	Collier County Domestic Animal Services																		
	Crematory, Animal Crawford Equipment & Engineering C-1000p		CCDAS	429,320	2,891,310	1,548.006	-1,413.636	16	4.88	2.0	0.61	1032.0	828.7	27.2	8.29	0.75	0.09	CON	Yes
0210023	APAC-Southeast, Inc.																		
	Asphalt Plant With Baghouse Collector	1	APACNAP1	429,200	2,898,800	1,546.562	-1,406.111	34	10.36	5.5	1.68	260.0	399.8	42.0	12.80	94.20	11.87	CON	Yes
	Astec Double Barrel Asphalt Concrete Plant Baghouse	7	APACNAP7	429,200	2,898,800	1,546.562	-1,406.111	35	10.67	4.0	1.22	300.0	422.0	90.2	27.49	3.03	0.38	CON	Yes
0112120	North Broward RRF PSD																		
	Main Stack (All boilers operating)		NBRRF	583,600	2,907,600	1,699.575	-1,369.717	195	59.4	15.0	4.6	300.0	422.0	63.8	19.4	131.20	16.53	CON	Yes
0210045	Naples Community Hospital																		

TABLE D-3
SUMMARY OF SO_2 SOURCES INCLUDED IN THE AIR MODELING FOR THE PSD CLASS I INCREMENT CONSUMPTION ANALYSES AT THE EVERGLADES NP
FPL GLADES POWER PARK PROJECT

Facility ID	Facility Name / Emission Unit Description	EU ID	CALPUFF ID Name	UTM Location X (m)	UTM Location Y (m)	LCC Location X (km)	LCC Location Y (km)	Stack Parameters: Height ft	Height m	Diameter ft	Diameter m	Temperature °F	Temperature K	Velocity ft/s	Velocity m/s	SO_2 Emission Rate (lb/hr)	SO_2 Emission Rate (g/sec)	PSD Source? [a] (EXP/CON)	Modeled PSD Source?
	Boiler Cleaver Brooks Model CB200-250 9,881 MMBtu/hr	2	NCHB2	420,200	2,892,500	1,538.657	-1,414.040	6	1.8	0.6	0.18	439.0	499.1	251.7	76.72	4.47	0.56	CON	Yes
	Boiler Cleaver Brooks Model CB200-250 9,881 MMBtu/hr	3	NCHB3	420,200	2,892,500	1,538.657	-1,414.040	6	1.8	0.6	0.18	439.0	499.1	251.7	76.72	4.47	0.56	CON	Yes
0990332	New Hope Power Partnership (Okeelanta)																		
	Okeelanta Power Blrs 1,2,3 [b]		OKCOGENF	524,920	2,939,440	1,635.123	-1,348.242	199.0	60.7	10.0	3.05	352.0	450.9	67.7	20.63	456.00	57.46	CON	Yes
0990005	Okeelanta [a]																		
	Boiler 4 PSD Baseline	--	OKBLR4B	524,700	2,939,500	1,634.892	-1,348.221	75.0	22.9	7.5	2.29	139.7	333.0	24.1	7.36	-86.90	-10.95	EXP	Yes
	Boiler 5 PSD Baseline	--	OKBLR5B	524,700	2,939,500	1,634.892	-1,348.221	75.0	22.9	7.5	2.29	139.7	333.0	39.6	12.07	-124.13	-15.64	EXP	Yes
	Boiler 6 PSD Baseline	--	OKBLR6B	524,700	2,939,500	1,634.892	-1,348.221	75.0	22.9	7.5	2.29	141.5	334.0	28.7	8.74	-124.13	-15.64	EXP	Yes
	Boiler 10 PSD Baseline	--	OKBLR10B	524,700	2,939,500	1,634.892	-1,348.221	75.0	22.9	7.5	2.29	141.5	334.0	33.9	10.35	-136.11	-17.15	EXP	Yes
	Boiler 11 PSD Baseline	--	OKBLR11B	524,700	2,939,500	1,634.892	-1,348.221	75.0	22.9	7.5	2.29	155.9	342.0	32.4	9.89	-133.25	-16.79	EXP	Yes
	Boilers 4-11 PSD baseline		OKBLRB	524,700	2,939,500	1,634.892	-1,348.221	75.0	22.9	7.5	2.29	139.7	333.0	24.1	7.36	-604.52	-76.17	EXP	Yes
	Boiler 16 PSD [a]	--	OKBLR16	524,700	2,939,500	1,634.892	-1,348.221	75.0	22.9	5.0	1.52	409.7	483.0	74.9	22.83	12.10	1.52	CON	Yes
0710236	Bonita Springs Utilities, Inc.																		
	Sewage Sludge Dryer	1	BSUTIL	424,100	2,915,000	1,538.592	-1,390.694	39.0	11.9	1.7	0.52	125.0	324.8	98.4	29.99	3.41	0.43	CON	Yes
0990016	Atlantic Sugar [a]																		
	Unit 1	--	ATLSUG1	552,900	2,945,200	1,662.059	-1,337.440	90.0	27.4	6.0	1.83	163.1	346.0	58.9	17.97	67.00	8.44	CON	Yes
	Unit 2	--	ATLSUG2	552,900	2,945,200	1,662.059	-1,337.440	90.0	27.4	6.0	1.83	170.3	350.0	76.6	23.36	67.00	8.44	CON	Yes
	Unit 3	--	ATLSUG3	552,900	2,945,200	1,662.059	-1,337.440	90.0	27.4	6.0	1.83	170.3	350.0	70.7	21.56	65.80	8.29	CON	Yes
	Unit 4	--	ATLSUG4	552,900	2,945,200	1,662.059	-1,337.440	90.0	27.4	6.0	1.83	159.5	344.0	82.5	25.16	65.50	8.25	CON	Yes
	Units 1-4		ATLSUG14	552,900	2,945,200	1,662.059	-1,337.440	90.0	27.4	6.0	1.83	163.1	346.0	58.9	17.97	265.30	33.43	CON	Yes
	Unit 5 PSD [b]	--	ATLSUG5	552,900	2,945,200	1,662.059	-1,337.440	90.0	27.4	5.5	1.68	150.5	339.0	63.1	19.24	48.40	6.10	CON	Yes
	Baseline																		
	Unit 1 PSD Baseline	--	ATLSUG1B	552,900	2,945,200	1,662.059	-1,337.440	62.0	18.9	6.3	1.92	451.1	506.0	41.7	12.70	-136.83	-17.24	EXP	Yes
	Unit 2 PSD Baseline	--	ATLSUG2B	552,900	2,945,200	1,662.059	-1,337.440	62.0	18.9	6.3	1.92	460.1	511.0	35.8	10.90	-178.57	-22.50	EXP	Yes
	Unit 3 PSD Baseline	--	ATLSUG3B	552,900	2,945,200	1,662.059	-1,337.440	71.8	21.9	6.0	1.83	479.9	522.0	57.4	17.50	-133.97	-16.88	EXP	Yes
	Unit 4 PSD Baseline	--	ATLSUG4B	552,900	2,945,200	1,662.059	-1,337.440	60.0	18.3	6.0	1.83	159.5	344.0	49.2	15.00	-85.40	-10.76	EXP	Yes
0990026	Sugar Cane Growers Co-Op [a]																		
	On-crop season																		
	Boiler No. 1	001	SCBLR1N	534,900	2,953,300	1,642.608	-1,332.526	31.0	9.45	7.0	2.13	156.0	342.0	49.6	15.12	599.10	75.49	CON	Yes
	Boiler No. 2	002	SCBLR2N	534,900	2,953,300	1,642.608	-1,332.526	0.0	0.00	7.0	2.13	156.0	342.0	51.1	15.58	598.90	75.46	CON	Yes
	Boiler No. 3	003	SCBLR3N	534,900	2,953,300	1,642.608	-1,332.526	180.0	54.86	5.3	1.62	156.0	342.0	40.3	12.28	0.00	0.00	CON	Yes
	Boiler No. 4	004	SCBLR4N	534,900	2,953,300	1,642.608	-1,332.526	180.0	54.86	8.9	2.72	162.0	345.4	54.1	16.49	0.00	0.00	CON	Yes
	Boiler No. 5	005	SCBLR5N	534,900	2,953,300	1,642.608	-1,332.526	0.0	0.00	7.0	2.13	160.0	344.3	77.1	23.50	0.00	0.00	CON	Yes
	Boiler No. 8	008	SCBLR8N	534,900	2,953,300	1,642.608	-1,332.526	0.0	0.00	9.5	2.90	154.0	340.9	37.6	11.46	0.00	0.00	CON	Yes
	Off-crop season																		
	Boiler No. 1	001	SCBLR1F	534,900	2,953,300	1,642.608	-1,332.526	0.0	0.00	7.0	2.13	156.0	342.0	49.6	15.12	599.10	75.49	CON	Yes
	Boiler No. 4	004	SCBLR4F	534,900	2,953,300	1,642.608	-1,332.526	180.0	54.86	8.9	2.72	162.0	345.4	54.1	16.49	567.57	71.51	CON	Yes
	Baseline																		
	BOILER #1 PSD Baseline Off-crop season	--	SCBLR1BF	534,900	2,953,300	1,642.608	-1,332.526	79.1	24.10	5.5	1.68	395.0	474.8	52.3	15.94	-236.20	-29.80	EXP	Yes
	BOILER #2 PSD Baseline Off-crop season	--	SCBLR2BF	534,900	2,953,300	1,642.608	-1,332.526	79.1	24.10	5.5	1.68	405.1	480.4	58.6	17.88	-236.20	-29.80	EXP	Yes
	BOILER #3 PSD Baseline Off-crop season	--	SCBLR3BF	534,900	2,953,300	1,642.608	-1,332.526	79.1	24.10	5.5	1.68	470.0	516.5	54.1	16.50	-177.60	-22.40	EXP	Yes
	Boilers 1-3 PSD Baseline off-Crop		BLR123BF	534,900	2,953,300	1,642.608	-1,332.526	79.1	24.10	5.5	1.68	395.0	474.8	52.3	15.94	-650.00	-82.00	EXP	Yes
	BOILER #4 PSD Baseline Off-crop season	--	SCBLR4BF	534,900	2,953,300	1,642.608	-1,332.526	86.0	26.20	5.3	1.62	149.1	338.2	32.4	9.88	-205.60	-25.91	EXP	Yes
	BOILER #5 PSD Baseline Off-crop season	--	SCBLR5BF	534,900	2,953,300	1,642.608	-1,332.526	79.1	24.10	6.7	2.03	490.0	527.6	91.2	28.42	-315.00	-39.69	EXP	Yes
	BOILER #6 PSD Baseline Off-crop season	--	SCBLR6BF	534,900	2,953,300	1,642.608	-1,332.526	40.0	12.20	5.0	1.52	630.1	605.4	21.4	6.53	-147.70	-18.61	EXP	Yes
	BOILER #7 PSD Baseline Off-crop season	--	SCBLR7BF	534,900	2,953,300	1,642.608	-1,332.526	40.0	12.20	5.0	1.52	630.4	605.6	56.4	17.20	-353.80	-44.58	EXP	Yes
	BOILER #1 PSD Baseline On-crop season	--	SCBLR1BN	534,900	2,953,300	1,642.608	-1,332.526	79.1	24.10	5.5	1.68	395.0	474.8	52.3	15.94	-149.80	-18.87	EXP	Yes

TABLE D-3
SUMMARY OF SO_2 SOURCES INCLUDED IN THE AIR MODELING FOR THE PSD CLASS I INCREMENT CONSUMPTION ANALYSES AT THE EVERGLADES NP
FPL GLADES POWER PARK PROJECT

Facility ID	Facility Name / Emission Unit Description	EU ID	CALPUFF ID Name	UTM Location X (m)	UTM Location Y (m)	LCC Location X (km)	LCC Location Y (km)	Stack Parameters: Height ft	Height m	Diameter ft	Diameter m	Temperature °F	Temperature K	Velocity ft/s	Velocity m/s	SO_2 Emission Rate (lb/hr)	SO_2 Emission Rate (g/sec)	PSD Source? * (EXP/CON)	Modeled PSD Source?
	BOILER #2 PSD Baseline On-crop season	--	SCBLR2BN	534,900	2,953,300	1,642.608	-1,332.526	79.1	24.10	5.5	1.68	405.1	480.4	58.6	17.88	-149.80	-18.87	EXP	Yes
	BOILER #3 PSD Baseline On-crop season	--	SCBLR3BN	534,900	2,953,300	1,642.608	-1,332.526	79.1	24.10	5.5	1.68	470.0	516.5	54.1	16.50	-112.40	-14.16	EXP	Yes
	Boilers 1-3 PSD Baseline On-Crop		BLR123BN	534,900	2,953,300	1,642.608	-1,332.526	79.1	24.10	5.5	1.68	395.0	474.8	52.3	15.94	-412.00	-51.91	EXP	Yes
	BOILER #4 PSD Baseline On-crop season	--	SCBLR4BN	534,900	2,953,300	1,642.608	-1,332.526	86.0	26.20	5.3	1.62	149.1	338.2	32.4	9.88	-205.60	-25.91	EXP	Yes
	BOILER #5 PSD Baseline On-crop season	--	SCBLR5BN	534,900	2,953,300	1,642.608	-1,332.526	79.1	24.10	6.7	2.03	490.0	527.6	92.2	28.42	0.00	0.00	EXP	Yes
	BOILER #6 PSD Baseline On-crop season	--	SCBLR6BN	534,900	2,953,300	1,642.608	-1,332.526	40.0	12.20	5.0	1.52	630.1	605.4	21.4	6.53	0.00	0.00	EXP	Yes
	BOILER #7 PSD Baseline On-crop season	--	SCBLR7BN	534,900	2,953,300	1,642.608	-1,332.526	40.0	12.20	5.0	1.52	630.4	605.6	56.4	17.20	-121.80	-15.35	EXP	Yes
0510003	U.S. Sugar Clewiston Mill and Refinery																		
	On-crop season																		
	Boiler No. 1	001	USSBLR1N	506,100	2,956,900	1,613.177	-1,334.049	213.0	64.92	8.0	2.44	150.0	338.7	82.9	25.27	29.80	3.75	CON	Yes
	Boiler No. 2	002	USSBLR2N	506,100	2,956,900	1,613.177	-1,334.049	213.0	64.92	8.0	2.44	150.0	338.7	82.9	25.27	26.80	3.38	CON	Yes
	Boiler No. 4	009	USSBLR4N	506,100	2,956,900	1,613.177	-1,334.049	150.0	45.72	8.2	2.50	0.0	255.4	98.7	27.04	36.00	4.54	CON	Yes
	Boiler No. 7	014	USSBLR7N	506,100	2,956,900	1,613.177	-1,334.049	225.0	68.58	8.0	2.44	335.0	441.5	94.5	28.80	125.50	15.81	CON	Yes
	Boiler No. 8	028	USSBLR8	506,100	2,956,900	1,613.177	-1,334.049	199.0	60.66	10.9	3.32	335.0	430.4	75.7	23.07	64.60	8.14	CON	Yes
	Off-crop season																		
	Boiler No. 7	014	USSBLR7F	506,100	2,956,900	1,613.177	-1,334.049	225.0	68.58	8.0	2.44	335.0	441.5	94.5	28.80	125.50	15.81	CON	Yes
	Baseline (on-crop)																		
	Boiler No. 1	001	USSBLR1B	506,100	2,956,900	1,613.177	-1,334.049	75.8	23.10	6.1	1.86	160.0	344.3	99.0	30.18	-462.00	-58.21	EXP	Yes
	Boiler No. 2	002	USSBLR2B	506,100	2,956,900	1,613.177	-1,334.049	75.8	23.10	6.1	1.86	158.0	343.2	117.0	35.66	-462.00	-58.21	EXP	Yes
	Boiler No. 3	003	USSBLR3B	506,100	2,956,900	1,613.177	-1,334.049	90.0	27.43	7.5	2.29	156.0	342.0	48.2	14.69	-263.50	-33.20	EXP	Yes
	East Pellet Plant		EPELLET	506,100	2,956,900	1,613.177	-1,334.049	40.0	12.19	5.0	1.52	165.0	347.0	28.0	8.53	-81.70	-10.29	EXP	Yes
	West Pellet Plant		WPELLET	506,100	2,956,900	1,613.177	-1,334.049	51.5	15.70	5.0	1.52	165.0	347.0	28.0	8.53	-81.70	-10.29	EXP	Yes
0510015	Southern Gardens Citrus Processing Corp.																		
	Boiler #1	001	SGARD01	487,500	2,957,600	1,594.460	-1,336.651	55.0	16.76	4.0	1.22	400.0	477.6	49.6	15.12	1.78	0.22	CON	Yes
	Boiler #2	002	SGARD02	487,500	2,957,600	1,594.460	-1,336.651	55.0	16.76	4.0	1.22	400.0	477.6	49.6	15.12	1.78	0.22	CON	Yes
	Boiler #3	008	SGARD08	487,500	2,957,600	1,594.460	-1,336.651	55.0	16.76	4.0	1.22	400.0	477.6	49.6	15.12	1.89	0.24	CON	Yes
	Boiler #4	010	SGARD10	487,500	2,957,600	1,594.460	-1,336.651	55.0	16.76	4.0	1.22	400.0	477.6	49.6	15.12	0.33	0.04	CON	Yes
	Boilers 1-4		SGARDBLR	487,500	2,957,600	1,594.460	-1,336.651	55.0	16.76	4.0	1.22	400.0	477.6	49.6	15.12	5.78	0.73	CON	Yes
	Peel Dryer No. 2 with Waste Heat Evaporator	019	SGARD19	487,500	2,957,600	1,594.460	-1,336.651	125.0	38.10	5.7	1.74	160.0	344.3	27.3	8.32	10.50	1.32	CON	Yes
	Peel Dryer No. 1 with Waste Heat Evaporator	003	SGARD03	487,500	2,957,600	1,594.460	-1,336.651	125.0	38.10	5.7	1.74	160.0	344.3	27.3	8.32	10.50	1.32	CON	Yes
	Peel Dryers 1 and 2		SGARDDRY	487,500	2,957,600	1,594.460	-1,336.651	125.0	38.10	5.7	1.74	160.0	344.3	27.3	8.32	21.00	2.65	CON	Yes
0510004	A. Duda & Sons, Inc. / Citrus Belle																		
	Boiler No. 2	3	DUDAB3	456,400	2,950,300	1,564.666	-1,349.492	40.0	12.19	2.5	0.76	400.0	477.6	36.0	10.97	18.90	2.38	CON	Yes
	Boiler No. 4	7	DUDAB7	456,400	2,950,300	1,564.666	-1,349.492	45.0	13.72	2.75	0.84	420.0	488.7	42.1	12.83	25.20	3.18	CON	Yes
	FPL West County Energy Center (WCEC)																		
	2200Mw GE 7FB NG-Firing 100%L/35F		FPLWCEC	562,200	2,953,000	1,669.944	-1,327.931	149	45.42	19.0	5.79	188.7	360.2	61.9	18.86	111.98	14.11	CON	Yes
0990530	Hubbard Construction Company																		
	Hot mix asphalt plant (175 TPH)		HUBB1	562,140	2,955,560	1,669.421	-1,325.370	25	7.6	3.1	0.94	328.0	437.6	92.6	28.22	38.10	4.80	CON	Yes
0990045	Lake Worth Utilities																		
	Unit 3, S-3	9	LAKWTHU3	592,800	2,943,700	1,702.210	-1,331.758	113.0	34.4	7.0	2.13	292.7	418.0	51.5	15.70	832.0	104.8	NO	No
	Unit 4, S-4	10	LAKWTHU4	592,800	2,943,700	1,702.210	-1,331.758	115.0	35.1	7.5	2.29	293.1	418.2	55.8	17.00	1072.0	135.1	NO	No
	Unit 5, S-5	11	LAKWTHU5	592,800	2,943,700	1,702.210	-1,331.758	75.0	22.9	10.0	3.05	406.1	481.0	91.2	27.80	109.0	13.7	CON	Yes
	HRSG, CT No.1	6	LAKWTHHR	592,800	2,943,700	1,702.210	-1,331.758	46.0	14.0	18.0	5.49	836.3	720.0	81.7	24.90	170.7	21.5	CON	Yes
0710119	Lee County Resource Recovery																		
	Municipal Waste Combustion Units #1 & #2	1	LECORRF	424,210	2,945,790	1,533.286	-1,359.783	275	83.8	6.2	1.89	240.0	388.6	64.6	19.69	82.00	10.33	CON	Yes
0990061	U.S. Sugar Corp. Bryant Mill *																		
	Boiler No. 1	001	USSBRY1	537,830	2,969,120	1,642.689	-1,316.109	65.0	19.81	5.4	1.65	160.0	344.3	113.5	34.60	151.30	19.06	CON	Yes

TABLE D-3
SUMMARY OF SO_2 SOURCES INCLUDED IN THE AIR MODELING FOR THE PSD CLASS I INCREMENT CONSUMPTION ANALYSES AT THE EVERGLADES NP
FPL GLADES POWER PARK PROJECT

Facility ID	Facility Name / Emission Unit Description	EU ID	CALPUFF ID Name	UTM Location X (m)	UTM Location Y (m)	LCC Location X (km)	LCC Location Y (km)	Stack Parameters: Height ft	Height m	Diameter ft	Diameter m	Temperature °F	Temperature K	Velocity ft/s	Velocity m/s	SO_2 Emission Rate (lb/hr)	SO_2 Emission Rate (g/sec)	PSD Source? [1] (EXP/CON)	Modeled PSD Source?
	Boiler No. 2	002	USSBRY2	537,830	2,969,120	1,642.689	-1,316.109	65.0	19.81	5.4	1.65	160.0	344.3	113.5	34.60	151.30	19.06	CON	Yes
	Boiler No. 3	003	USSBRY3	537,830	2,969,120	1,642.689	-1,316.109	65.0	19.81	5.4	1.65	160.0	344.3	113.5	34.60	151.30	19.06	CON	Yes
	Boilers 1-3		USSBRY123	537,830	2,969,120	1,642.689	-1,316.109	65.0	19.81	5.4	1.65	160.0	344.3	113.5	34.60	453.90	57.19	CON	Yes
	Boiler No. 5	005	USSBRY5	537,830	2,969,120	1,642.689	-1,316.109	150.0	45.72	4.3	1.31	142.0	334.3	236.4	72.06	186.50	23.50	CON	Yes
	Diesel Electric Generator General Motors 16-567-B	007	USSBRY7	537,830	2,969,120	1,642.689	-1,316.109	28.0	8.53	1.2	0.37	475.0	519.3	40.0	12.19	5.80	0.73	CON	Yes
	Diesel Electric Generator General Motors 16-567-C	008	USSBRY8	537,830	2,969,120	1,642.689	-1,316.109	28.0	8.53	1.2	0.37	475.0	519.3	42.0	12.80	6.20	0.78	CON	Yes
	Diesel Generators 1-2		USSBRY78	537,830	2,969,120	1,642.689	-1,316.109	28.0	8.53	1.2	0.37	475.0	519.3	40.0	12.19	12.00	1.51	CON	Yes
	Unit 1 PSD Baseline		USSBRY1B	537,830	2,969,120	1,642.689	-1,316.109	65.0	19.81	5.5	1.68	430.0	494.3	145.3	44.30	-289.68	-36.50	EXP	Yes
	Unit 2&3 PSD Baseline		USBRY23B	537,830	2,969,120	1,642.689	-1,316.109	65.0	19.81	5.5	1.68	160.0	344.3	124.3	37.90	-579.37	-73.00	EXP	Yes
0990019	Osceola Farms [2]																		
	Unit 2	--	OSBLR2	544,200	2,968,000	1,649.254	-1,316.094	90.0	27.4	5.0	1.52	155.9	342.0	40.7	12.41	228.90	28.84	CON	Yes
	Unit 3	--	OSBLR3	544,200	2,968,000	1,649.254	-1,316.094	90.0	27.4	6.25	1.91	154.0	340.9	38.8	11.84	229.20	28.88	CON	Yes
	Unit 4	--	OSBLR4	544,200	2,968,000	1,649.254	-1,316.094	90.0	27.4	6.0	1.83	153.6	340.7	53.5	16.14	228.90	28.84	CON	Yes
	Unit 5a	--	OSBLR5A	544,200	2,968,000	1,649.254	-1,316.094	90.0	27.4	5.0	1.52	150.0	338.7	56.9	17.33	115.90	14.60	CON	Yes
	Unit 5b	--	OSBLR5B	544,200	2,968,000	1,649.254	-1,316.094	90.0	27.4	5.0	1.52	150.0	338.7	46.7	14.23	115.90	14.60	CON	Yes
	Unit 6	--	OSBLR6	544,200	2,968,000	1,649.254	-1,316.094	90.0	27.4	6.17	1.88	151.0	339.3	53.0	16.14	250.10	31.51	CON	Yes
	Units 2-6		OSBLR5B	544,200	2,968,000	1,649.254	-1,316.094	90.0	27.4	5.0	1.52	150.0	338.7	46.7	14.23	1168.90	147.28	CON	Yes
	Baseline																		
	Unit 1 PSD Baseline	--	OSBLR1B	544,200	2,968,000	1,649.254	-1,316.094	72.2	22.0	5.0	1.52	155.9	342.0	26.8	8.18	-40.24	-5.07	EXP	Yes
	Unit 2 PSD Baseline	--	OSBLR2B	544,200	2,968,000	1,649.254	-1,316.094	72.2	22.0	5.0	1.52	154.1	341.0	59.4	18.10	-129.52	-16.32	EXP	Yes
	Unit 3 PSD Baseline	--	OSBLR3B	544,200	2,968,000	1,649.254	-1,316.094	72.2	22.0	6.3	1.93	154.1	341.0	47.6	14.50	-57.62	-7.26	EXP	Yes
	Unit 4 PSD Baseline	--	OSBLR4B	544,200	2,968,000	1,649.254	-1,316.094	72.2	22.0	6.0	1.83	154.1	341.0	61.7	18.80	-108.02	-13.61	EXP	Yes
0710002	FPL - Fort Myers Plant																		
	Unit 1 PSD	1	FMU1	422,300	2,952,900	1,530.106	-1,352.878	301.1	91.8	9.5	2.90	299.9	422.0	98.1	29.90	-4646.83	-585.50	EXP	Yes
	Unit 2 PSD	2	FMU2	422,300	2,952,900	1,530.106	-1,352.878	397.5	121.2	18.1	5.52	274.7	408.0	63.0	19.20	-10587.30	-1334.00	EXP	Yes
	CT/HRSGs 2A - 2F	18-23	FMYHR1_6	422,300	2,952,900	1,530.106	-1,352.878	125.0	38.1	19.0	5.79	220.0	377.6	70.3	21.4	30.60	3.86	CON	Yes
	Combustion Turbines 1 -12	3-14	FMYCT112	422,300	2,952,900	1,530.106	-1,352.878	32.0	9.8	11.4	3.47	975.0	797.0	189.4	57.7	4800.00	604.80	NO	No
	CTs 3A - 3B	27-28	FMYCT3	422,300	2,952,900	1,530.106	-1,352.878	80.0	24.4	20.5	6.25	1116.0	875.4	120.7	36.8	206.20	25.98	CON	Yes
0990234	Solid Waste Authority of PBC																		
	Units 1 and 2		PBCRRF	585,800	2,960,470	1,692.169	-1,316.177	250	76.2	6.7	2.04	449.7	505.2	81.7	24.90	91.64	11.55	CON	Yes
0990042	FPL -Riviera Beach																		
	Units 3&4 at 2.5%s fuel oil		RIVU34	594,200	2,960,600	1,700.535	-1,314.529	298	90.8	16.0	4.88	263.0	401.5	88.1	26.9	17930.0	2259.18	NO	No
0990021	United Technologies Corporation																		
	Air compressor/heater (ACHR-2-B2)	1	PRATARCH	568410	2975840	1,672.017	-1,303.876	50	15.2	3.0	0.91	1000.0	810.9	471.4	143.73	111.00	13.99	CON	Yes
	Boiler BO-12, -1, -2, -14, -3	16	PRATBO12	568410	2,975,840	1,672.017	-1,303.876	15	4.6	2.5	0.76	500.0	533.2	22.7	6.92	2.13	0.27	CON	Yes
0850102	Indiantown Cogeneration LP - Indiantown Plant																		
	Pulverized Coal Main Boiler	1	INDTOWN1	547,650	2,990,700	1,648.610	-1,292.686	495.0	150.9	16.0	4.88	149.0	338.2	93.2	28.4	582.00	73.33	CON	Yes
	(2) Auxiliary Boilers and Temporary Auxiliary Boiler	3	INDTOWN3	547,650	2,990,700	1,648.610	-1,292.686	210.0	64.0	5.0	1.52	350.0	449.8	87.6	26.7	18.00	2.27	CON	Yes
0850001	FPL - Martin Power Plant																		
	Units 1&2	1-2	MART12	542,680	2,992,650	1,643.298	-1,291.619	499.0	152.1	26.2	8.0	338.0	443.2	68.7	20.94	13840.00	1743.84	NO	No
	Units 3&4	3-6	MART34	542,680	2,992,650	1,643.298	-1,291.619	213.0	64.9	20.0	6.1	280.0	410.9	62.0	18.90	3733.33	470.40	CON	Yes
	Aux Boiler	7	MARTAUX	542,680	2,992,650	1,643.298	-1,291.619	60.0	18.3	3.6	1.1	504.1	535.4	50.0	15.24	102.38	12.90	CON	Yes
	Diesel Generator	9	MARTGEN	542,680	2,992,650	1,643.298	-1,291.619	25.0	7.6	1.0	0.3	955.0	785.9	130.0	39.62	4.05	0.51	CON	Yes
	Unit # (EUs 11, 12, 17, &18)	--	MARTOIL	542,680	2,992,650	1,643.298	-1,291.619	120.0	36.6	19.0	5.8	296.3	420.0	73.5	22.40	412.40	51.96	CON	Yes
0930001	Okeechobee Asphalt																		
	100 TPH Asphalt Drum Mixer with Venturi Scrubber	1	OKEEASP	516,090	3,014,210	1,612.896	-1,274.733	20.0	6.1	3.4	1.02	250.0	394.1	20.8	6.3	23.90	3.01	CON	Yes

TABLE D-3
SUMMARY OF SO_2 SOURCES INCLUDED IN THE AIR MODELING FOR THE PSD CLASS I INCREMENT CONSUMPTION ANALYSES AT THE EVERGLADES NP
FPL GLADES POWER PARK PROJECT

Facility ID	Facility Name / Emission Unit Description	EU ID	CALPUFF ID Name	UTM Location X (m)	UTM Location Y (m)	LCC Location X (km)	LCC Location Y (km)	Stack Parameters: Height ft	Height m	Diameter ft	Diameter m	Temperature °F	Temperature K	Velocity ft/s	Velocity m/s	SO_2 Emission Rate (lb/hr)	SO_2 Emission Rate (g/sec)	PSD Source? [a] (EXP/CON)	Modeled PSD Source?
1110103	CPV Cana, LTD , fuel oil																		
			CPVCANA	550,900	3,018,100	1,646,919	-1,264 619	170	51.80	18.5	5.64	285.0	413.7	78.6	23.96	98.97	12.47	CON	Yes
0270016	Desoto County Generating Company, LLC																		
	170MW Simple Cycle Comb Turbine Units 1 & 2	1	DCGEN	419,750	3,011,500	1,517,237	-1,294 460	75.0	22.9	23.0	7.01	1113.0	873.6	106.1	32.3	197.40	24 87	CON	Yes
0550018	TECO - Phillips																		
	19,535 Mw Slow Speed Diesel Generating Unit 1	1	TECOPH1	464,300	3,035,400	1,557,464	-1,262,658	150.0	45.72	6.0	1.83	335.0	441.5	98.1	29.90	460.00	57.96	CON	Yes
	19,535 Mw Slow Speed Diesel Generating Unit 2	2	TECOPH2	464,300	3,035,400	1,557,464	-1,262 658	150.0	45 72	6.0	1.83	350.0	449.8	63.0	19.20	460.00	57.96	CON	Yes
1110003	Fort Pierce Utilities																		
	Diesel Units 1 & 2	1,2	FTPIER12	566,120	3,036,350	1,658,805	-1,243,600	23	7.01	3.0	0.91	950.0	783.2	39.0	11.9	30.02	3.78	CON	No
	HRSG Unit No. 9	3	FTPIER3	566,120	3,036,350	1,658,805	-1,243,600	68	20.73	11.2	3.41	426.0	492.0	59.8	18.2	319.51	40.26	CON	No
	Boiler Unit 6	4	FTPIER4	566,120	3,036,350	1,658,805	-1,243,600	148	45.11	5.0	1.52	325.0	435.9	36.0	11.0	2.50	0.32	NO	No
	Boiler Unit 7	7	FTPIER7	566,120	3,036,350	1,658,805	-1,243,600	147	44.81	7.1	2.16	308.0	426.5	61.1	18.6	2.50	0.32	NO	No
	Boiler Unit 8	8	FTPIER8	566,120	3,036,350	1,658,805	-1,243,600	150	45.72	8.0	2.44	334.0	440.9	83.6	25.5	2.50	0.32	CON	No
0550004	TECO-Schring/Dinner Lake																		
	Steam Boiler	1	TECOSEBR	456,800	3,042,500	1,548,728	-1,256,862	75.0	22.9	6.0	1.83	140.0	394.3	19.0	5.8	-299.90	-37.79	EXP	Yes
0550003	Florida Power Corp D/B/A Progress Energy FL - Avon Park																		
	Gas Turbine Peaking Unit No. 1	3	PEAVON3	451,400	3,050,500	1,541,929	-1,249,794	55.0	16.8	10.0	3.05	850.0	727.6	424.4	129.4	577.00	72.70	NO	No
	Gas Turbine Peaking Unit No. 2	4	PEAVON4	451,400	3,050,500	1,541,929	-1,249,794	55.0	16.8	10.0	3.05	850.0	727.6	424.4	129.4	577.00	72.70	NO	No
0490043	Vandolah Power Company, LLC																		
	A 170 MW Gas Simple Cycle Combustion Turbines 1-4	1	VANDOLAH	408,750	3,044,500	1,500,464	-1,263,283	75.0	22.86	23.0	7.01	1113.0	873.6	106.1	32.34	394.80	49.74	CON	Yes
	Glades Electric Cooperative																		
	Internal Combustion Engines- 6	001	GLADELEC	487,072	2,957,479	1,594,054	-1,336,848	13.0	3.96	0.83	0.25	940	778	437.5	133.35	55.30	6 97	CON	Yes

Note: EXP = PSD expanding source
CON = PSD consuming source
NO = Baseline Source, does not affect PSD increment

[a] Facilities or sources within facilities that operate only during the October 1 through April 31 crop season.
[b] Sugar mill sources that operate all year.
[c] Facility-wide SO_2 emission limit of 14 tons/day (1,166,7) lb/hr). Only Boilers 1 and 4 operate during off-crop season.

APPENDIX E

RECEPTOR LOCATION FIGURES AND BUILDING PROFILE INPUT PROGRAM (BPIP) FILES

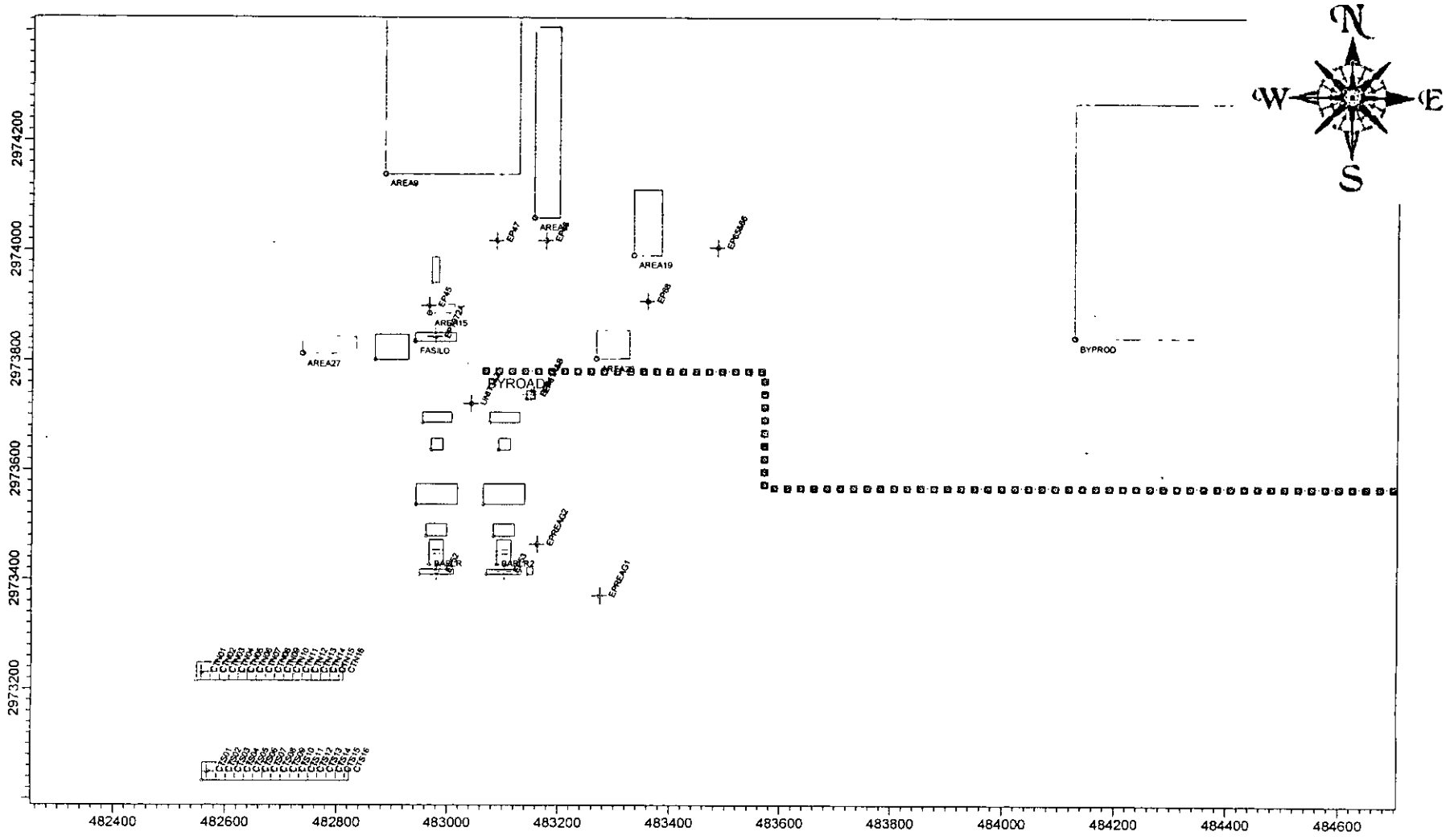


Figure E-4
FPL Glades Power Park
Source Locations

Source: Golder, 2006.

Golder Associates

```
W:\Projects\FPL\SOLID FUEL LYKES\Lakes\GLADES.isc

                              BPIP (Dated: 04274)
 DATE : 11/21/2006
 TIME : 16:13: 1
 W:\Projects\FPL\SOLID FUEL LYKES\Lakes\GLADES.isc

 ============================
 BPIP PROCESSING INFORMATION:
 ============================

   The P  flag has been set for preparing downwash related data
          for a model run utilizing the PRIME algorithm.

   Inputs entered in METERS     will be converted to meters using
    a conversion factor of    1.0000.  Output will be in meters.

   The UTMP variable is set to UTMY.  The input is assumed to be in
     UTM coordinates.  BPIP will move the UTM origin to the first pair of
     UTM coordinates read.  The UTM coordinates of the new origin will
     be subtracted from all the other UTM coordinates entered to form
     this new local coordinate system.

   The new local coordinates will be displayed in parentheses just below
     the UTM coordinates they represent.

   Plant north is set to   0.00 degrees with respect to True North.



 ==============
 INPUT SUMMARY:
 ==============


 Number of buildings to be processed :  19


 BOILER1  has 1 tier(s) with a base elevation of    6.10 METERS
 BUILDING  TIER  BLDG-TIER  TIER   NO. OF      CORNER   COORDINATES
   NAME   NUMBER   NUMBER  HEIGHT  CORNERS        X           Y

 BOILER1     1        1     92.66     4
                                          482966.93  2973427.05 meters
                                      (       0.00        0.00) meters
                                          482966.93  2973472.16 meters
                                      (       0.00       45.11) meters
                                          482992.54  2973472.16 meters
                                      (      25.60       45.11) meters
                                          482992.54  2973427.05 meters
                                      (      25.60        0.00) meters


 BOILER2  has 1 tier(s) with a base elevation of    6.10 METERS
 BUILDING  TIER  BLDG-TIER  TIER   NO. OF      CORNER   COORDINATES
   NAME   NUMBER   NUMBER  HEIGHT  CORNERS        X           Y

 BOILER2     1        2     92.66     4
                                          483088.84  2973427.04 meters
                                      (     121.91       -0.01) meters
                                          483088.84  2973472.15 meters
                                      (     121.91       45.10) meters
                                          483114.45  2973472.15 meters
                                      (     147.51       45.10) meters
                                          483114.45  2973427.04 meters
                                      (     147.51       -0.01) meters


 CSILO1   has 1 tier(s) with a base elevation of    6.10 METERS
 BUILDING  TIER  BLDG-TIER  TIER   NO. OF      CORNER   COORDINATES
   NAME   NUMBER   NUMBER  HEIGHT  CORNERS        X           Y

 CSILO1      1        3     62.48     4
                                          482948.71  2973409.20 meters
```

					(-18.23	-17.85) meters
					482948.71	2973417.74 meters
					(-18.23	-9.31) meters
					483011.21	2973417.74 meters
					(44.28	-9.31) meters
					483011.21	2973409.20 meters
					(44.28	-17.85) meters

CSILO2 has 1 tier(s) with a base elevation of 6.10 METERS

BUILDING NAME	TIER NUMBER	BLDG-TIER NUMBER	TIER HEIGHT	NO. OF CORNERS	CORNER X	COORDINATES Y
CSILO2	1	4	62.48	4		
					483070.70	2973409.00 meters
					(103.76	-18.05) meters
					483070.70	2973417.54 meters
					(103.76	-9.51) meters
					483133.20	2973417.54 meters
					(166.26	-9.51) meters
					483133.20	2973409.00 meters
					(166.26	-18.05) meters

SCR1 has 1 tier(s) with a base elevation of 6.10 METERS

BUILDING NAME	TIER NUMBER	BLDG-TIER NUMBER	TIER HEIGHT	NO. OF CORNERS	CORNER X	COORDINATES Y
SCR1	1	5	63.09	4		
					482960.84	2973478.90 meters
					(-6.09	51.85) meters
					482960.84	2973501.15 meters
					(-6.09	74.10) meters
					482998.64	2973501.15 meters
					(31.70	74.10) meters
					482998.64	2973478.90 meters
					(31.70	51.85) meters

SCR2 has 1 tier(s) with a base elevation of 6.10 METERS

BUILDING NAME	TIER NUMBER	BLDG-TIER NUMBER	TIER HEIGHT	NO. OF CORNERS	CORNER X	COORDINATES Y
SCR2	1	6	63.09	4		
					483082.76	2973478.90 meters
					(115.82	51.85) meters
					483082.76	2973501.15 meters
					(115.82	74.10) meters
					483120.55	2973501.15 meters
					(153.62	74.10) meters
					483120.55	2973478.90 meters
					(153.62	51.85) meters

ESP1 has 1 tier(s) with a base elevation of 6.10 METERS

BUILDING NAME	TIER NUMBER	BLDG-TIER NUMBER	TIER HEIGHT	NO. OF CORNERS	CORNER X	COORDINATES Y
ESP1	1	7	32.61	4		
					482942.24	2973537.26 meters
					(-24.69	110.20) meters
					482942.24	2973573.83 meters
					(-24.69	146.78) meters
					483017.22	2973573.83 meters
					(50.29	146.78) meters
					483017.22	2973537.26 meters
					(50.29	110.20) meters

ESP22 has 1 tier(s) with a base elevation of 6.10 METERS

BUILDING NAME	TIER NUMBER	BLDG-TIER NUMBER	TIER HEIGHT	NO. OF CORNERS	CORNER X	COORDINATES Y
ESP22	1	8	32.61	4		
					483064.13	2973537.26 meters

```
                                        (       97.20       110.20) meters
                                           483064.13   2973573.83 meters
                                        (       97.20       146.78) meters
                                           483139.11   2973573.83 meters
                                        (      172.18       146.78) meters
                                           483139.11   2973537.26 meters
                                        (      172.18       110.20) meters


ABSORB1  has 1 tier(s) with a base elevation of    6.10 METERS
BUILDING  TIER  BLDG-TIER  TIER   NO. OF      CORNER   COORDINATES
  NAME   NUMBER   NUMBER  HEIGHT  CORNERS       X           Y

ABSORB1     1        9     43.13     4
                                           482969.20   2973636.44 meters
                                        (       2.27       209.39) meters
                                           482969.20   2973657.47 meters
                                        (       2.27       230.42) meters
                                           482990.23   2973657.47 meters
                                        (      23.30       230.42) meters
                                           482990.23   2973636.44 meters
                                        (      23.30       209.39) meters


ABSORB2  has 1 tier(s) with a base elevation of    6.10 METERS
BUILDING  TIER  BLDG-TIER  TIER   NO. OF      CORNER   COORDINATES
  NAME   NUMBER   NUMBER  HEIGHT  CORNERS       X           Y

ABSORB2     1       10     43.13     4
                                           483091.10   2973636.44 meters
                                        (      124.17       209.39) meters
                                           483091.10   2973657.47 meters
                                        (      124.17       230.42) meters
                                           483112.13   2973657.47 meters
                                        (      145.20       230.42) meters
                                           483112.13   2973636.44 meters
                                        (      145.20       209.39) meters


WESP1    has 1 tier(s) with a base elevation of    6.10 METERS
BUILDING  TIER  BLDG-TIER  TIER   NO. OF      CORNER   COORDINATES
  NAME   NUMBER   NUMBER  HEIGHT  CORNERS       X           Y

WESP1       1       11     23.01     4
                                           482952.82   2973686.54 meters
                                        (      -14.12       259.49) meters
                                           482952.82   2973704.83 meters
                                        (      -14.12       277.78) meters
                                           483006.46   2973704.83 meters
                                        (       39.53       277.78) meters
                                           483006.46   2973686.54 meters
                                        (       39.53       259.49) meters


WESP2    has 1 tier(s) with a base elevation of    6.10 METERS
BUILDING  TIER  BLDG-TIER  TIER   NO. OF      CORNER   COORDINATES
  NAME   NUMBER   NUMBER  HEIGHT  CORNERS       X           Y

WESP2       1       12     23.01     4
                                           483074.73   2973686.54 meters
                                        (      107.79       259.49) meters
                                           483074.73   2973704.83 meters
                                        (      107.79       277.78) meters
                                           483128.37   2973704.83 meters
                                        (      161.44       277.78) meters
                                           483128.37   2973686.54 meters
                                        (      161.44       259.49) meters


COOL_N   has 1 tier(s) with a base elevation of    6.10 METERS
BUILDING  TIER  BLDG-TIER  TIER   NO. OF      CORNER   COORDINATES
  NAME   NUMBER   NUMBER  HEIGHT  CORNERS       X           Y

COOL_N      1       13     15.24     4
                                           482549.38   2973214.88 meters
```

					(-417.55	-212.17) meters
					482549.38	2973247.80 meters
					(-417.55	-179.25) meters
					482812.42	2973247.80 meters
					(-154.51	-179.25) meters
					482812.42	2973214.88 meters
					(-154.51	-212.17) meters

COOL_S has 1 tier(s) with a base elevation of 6.10 METERS

BUILDING NAME	TIER NUMBER	BLDG-TIER NUMBER	TIER HEIGHT	NO. OF CORNERS	CORNER X	COORDINATES Y
COOL_S	1	14	15.24	4		
					482560.10	2973032.17 meters
					(-406.83	-394.88) meters
					482560.10	2973065.09 meters
					(-406.83	-361.97) meters
					482823.15	2973065.09 meters
					(-143.79	-361.97) meters
					482823.15	2973032.17 meters
					(-143.79	-394.88) meters

CRUSHER has 1 tier(s) with a base elevation of 6.10 METERS

BUILDING NAME	TIER NUMBER	BLDG-TIER NUMBER	TIER HEIGHT	NO. OF CORNERS	CORNER X	COORDINATES Y
CRUSHER	1	15	36.58	4		
					483141.36	2973729.40 meters
					(174.43	302.35) meters
					483141.36	2973744.64 meters
					(174.43	317.59) meters
					483156.29	2973744.64 meters
					(189.36	317.59) meters
					483156.29	2973729.40 meters
					(189.36	302.35) meters

FLYASHPR has 1 tier(s) with a base elevation of 6.10 METERS

BUILDING NAME	TIER NUMBER	BLDG-TIER NUMBER	TIER HEIGHT	NO. OF CORNERS	CORNER X	COORDINATES Y
FLYASHPR	1	16	30.48	4		
					482866.05	2973801.37 meters
					(-100.88	374.31) meters
					482866.05	2973847.06 meters
					(-100.88	420.01) meters
					482927.05	2973847.06 meters
					(-39.88	420.01) meters
					482927.05	2973801.37 meters
					(-39.88	374.31) meters

FASHSILO has 1 tier(s) with a base elevation of 6.10 METERS

BUILDING NAME	TIER NUMBER	BLDG-TIER NUMBER	TIER HEIGHT	NO. OF CORNERS	CORNER X	COORDINATES Y
FASHSILO	1	17	28.96	4		
					482938.80	2973834.67 meters
					(-28.13	407.62) meters
					482938.80	2973849.91 meters
					(-28.13	422.86) meters
					483013.47	2973849.91 meters
					(46.53	422.86) meters
					483013.47	2973834.67 meters
					(46.53	407.62) meters

COALMAIN has 1 tier(s) with a base elevation of 5.49 METERS

BUILDING NAME	TIER NUMBER	BLDG-TIER NUMBER	TIER HEIGHT	NO. OF CORNERS	CORNER X	COORDINATES Y
COALMAIN	1	18	9.14	4		
					482969.20	2973941.93 meters

```
                                        (        2.26      514.88) meters
                                      482969.20  2973988.27 meters
                                        (        2.26      561.22) meters
                                      482981.85  2973988.27 meters
                                        (       14.92      561.22) meters
                                      482981.85  2973941.93 meters
                                        (       14.92      514.88) meters

CTHOUSE  has 1 tier(s) with a base elevation of    6.10 METERS
BUILDING   TIER  BLDG-TIER   TIER    NO. OF      CORNER   COORDINATES
  NAME    NUMBER   NUMBER  HEIGHT  CORNERS        X           Y

CTHOUSE     1        19     27.43     4
                                      483143.84  2973409.00 meters
                                        (      176.91      -18.05) meters
                                      483143.84  2973421.17 meters
                                        (      176.91       -5.89) meters
                                      483154.55  2973421.17 meters
                                        (      187.62       -5.89) meters
                                      483154.55  2973409.00 meters
                                        (      187.62      -18.05) meters

Number of stacks to be processed :  45

                    STACK             STACK   COORDINATES
 STACK NAME      BASE  HEIGHT           X           Y

 UNIT1&2         6.10  152.40 METERS
                                      483041.00  2973720.00 meters
                                        (       74.07      292.95) meters
 CTN01           6.10   18.29 METERS
                                      482557.60  2973230.30 meters
                                        (     -409.33      -196.75) meters
 CTN02           6.10   18.29 METERS
                                      482574.10  2973230.20 meters
                                        (     -392.83      -196.85) meters
 CTN03           6.10   18.29 METERS
                                      482590.50  2973230.20 meters
                                        (     -376.43      -196.85) meters
 CTN04           6.10   18.29 METERS
                                      482607.00  2973230.20 meters
                                        (     -359.93      -196.85) meters
 CTN05           6.10   18.29 METERS
                                      482623.50  2973230.20 meters
                                        (     -343.43      -196.85) meters
 CTN06           6.10   18.29 METERS
                                      482639.90  2973230.20 meters
                                        (     -327.03      -196.85) meters
 CTN07           6.10   18.29 METERS
                                      482656.40  2973230.20 meters
                                        (     -310.53      -196.85) meters
 CTN08           6.10   18.29 METERS
                                      482672.90  2973230.20 meters
                                        (     -294.03      -196.85) meters
 CTN09           6.10   18.29 METERS
                                      482689.30  2973230.20 meters
                                        (     -277.63      -196.85) meters
 CTN10           6.10   18.29 METERS
                                      482705.80  2973230.20 meters
                                        (     -261.13      -196.85) meters
 CTN11           6.10   18.29 METERS
                                      482722.20  2973230.20 meters
                                        (     -244.73      -196.85) meters
 CTN12           6.10   18.29 METERS
                                      482738.70  2973230.20 meters
                                        (     -228.23      -196.85) meters
 CTN13           6.10   18.29 METERS
                                      482755.20  2973230.20 meters
                                        (     -211.73      -196.85) meters
 CTN14           6.10   18.29 METERS
                                      482771.60  2973230.20 meters
                                        (     -195.33      -196.85) meters
 CTN15           6.10   18.29 METERS
                                      482788.10  2973230.20 meters
```

			(-178.83	-196.85) meters
CTS01	6.10	18.29 METERS		
			482568.33	2973048.70 meters
			(-398.60	-378.35) meters
CTS02	6.10	18.29 METERS		
			482585.10	2973048.70 meters
			(-381.83	-378.35) meters
CTS03	6.10	18.29 METERS		
			482601.50	2973048.70 meters
			(-365.43	-378.35) meters
CTS04	6.10	18.29 METERS		
			482618.00	2973048.70 meters
			(-348.93	-378.35) meters
CTS05	6.10	18.29 METERS		
			482634.50	2973048.70 meters
			(-332.43	-378.35) meters
CTS06	6.10	18.29 METERS		
			482650.90	2973048.70 meters
			(-316.03	-378.35) meters
CTS07	6.10	18.29 METERS		
			482667.40	2973048.70 meters
			(-299.53	-378.35) meters
CTS08	6.10	18.29 METERS		
			482683.80	2973048.70 meters
			(-283.13	-378.35) meters
CTS09	6.10	18.29 METERS		
			482700.30	2973048.70 meters
			(-266.63	-378.35) meters
CTS10	6.10	18.29 METERS		
			482716.80	2973048.70 meters
			(-250.13	-378.35) meters
CTS11	6.10	18.29 METERS		
			482733.20	2973048.70 meters
			(-233.73	-378.35) meters
CTS12	6.10	18.29 METERS		
			482749.70	2973048.70 meters
			(-217.23	-378.35) meters
CTS13	6.10	18.29 METERS		
			482766.20	2973048.70 meters
			(-200.73	-378.35) meters
CTS14	6.10	18.29 METERS		
			482782.60	2973048.70 meters
			(-184.33	-378.35) meters
CTS15	6.10	18.29 METERS		
			482799.10	2973048.70 meters
			(-167.83	-378.35) meters
EP45	6.10	3.05 METERS		
			482964.27	2973899.19 meters
			(-2.66	472.14) meters
EP46	6.10	30.48 METERS		
			483175.66	2974018.10 meters
			(208.73	591.05) meters
EP47	6.10	21.34 METERS		
			483086.78	2974017.50 meters
			(119.85	590.45) meters
EP61	6.10	39.62 METERS		
			483148.70	2973736.53 meters
			(181.77	309.48) meters
EP61A&B	6.10	39.62 METERS		
			483153.26	2973742.80 meters
			(186.33	315.75) meters
EP52	6.10	76.20 METERS		
			482979.98	2973413.40 meters
			(13.05	-13.65) meters
EP53	6.10	76.20 METERS		
			483102.80	2973413.40 meters
			(135.87	-13.65) meters
EP65&66	6.10	42.67 METERS		
			483484.44	2974005.19 meters
			(517.51	578.14) meters
EP68	6.10	3.05 METERS		
			483358.59	2973907.38 meters
			(391.66	480.33) meters
EP7072A	6.10	32.00 METERS		
			482975.62	2973842.18 meters

			(8.69	415.13) meters
EPREAG1	6.10	15.24 METERS		
			483275.00	2973370.00 meters
			(308.07	-57.05) meters
EPREAG2	6.10	15.24 METERS		
			483162.00	2973463.00 meters
			(195.07	35.95) meters
CTN16	6.10	18.29 METERS		
			482804.60	2973230.20 meters
			(-162.33	-196.85) meters
CTS16	6.10	18.29 METERS		
			482815.60	2973048.70 meters
			(-151.33	-378.35) meters

The following lists the stacks that have been identified as being atop the noted building-tiers.

STACK NAME	NO.	BUILDING NAME	NO.	TIER NO.
CTN01	2	COOL_N	13	1
CTN02	3	COOL_N	13	1
CTN03	4	COOL_N	13	1
CTN04	5	COOL_N	13	1
CTN05	6	COOL_N	13	1
CTN06	7	COOL_N	13	1
CTN07	8	COOL_N	13	1
CTN08	9	COOL_N	13	1
CTN09	10	COOL_N	13	1
CTN10	11	COOL_N	13	1
CTN11	12	COOL_N	13	1
CTN12	13	COOL_N	13	1
CTN13	14	COOL_N	13	1
CTN14	15	COOL_N	13	1
CTN15	16	COOL_N	13	1
CTS01	17	COOL_S	14	1
CTS02	18	COOL_S	14	1
CTS03	19	COOL_S	14	1
CTS04	20	COOL_S	14	1
CTS05	21	COOL_S	14	1
CTS06	22	COOL_S	14	1
CTS07	23	COOL_S	14	1
CTS08	24	COOL_S	14	1
CTS09	25	COOL_S	14	1
CTS10	26	COOL_S	14	1
CTS11	27	COOL_S	14	1
CTS12	28	COOL_S	14	1
CTS13	29	COOL_S	14	1
CTS14	30	COOL_S	14	1
CTS15	31	COOL_S	14	1
EP61	35	CRUSHER	15	1
EP61A&B	36	CRUSHER	15	1
EP52	37	CSILO1	3	1
EP53	38	CSILO2	4	1
EP7072A	41	FASHSILO	17	1
CTN16	44	COOL_N	13	1
CTS16	45	COOL_S	14	1

Overall GEP Summary Table
(Units: meters)

StkNo: 1 Stk Name:UNIT1&2 Stk Ht: 152.40 Prelim. GEP Stk.Ht: 156.21
GEP: BH: 62.48 PBW: 62.65 *Eqn1 Ht: 156.21
*adjusted for a Stack-Building elevation difference of 0.00
No. of Tiers affecting Stk: 1 Direction occurred: 14.50
Bldg-Tier nos. contributing to GEP: 3

StkNo: 2 Stk Name:CTN01 Stk Ht: 18.29 Prelim. GEP Stk.Ht: 65.00
GEP: BH: 15.24 PBW: 32.92 *Eqn1 Ht: 38.10
*adjusted for a Stack-Building elevation difference of 0.00
No. of Tiers affecting Stk: 1 Direction occurred: 90.00
Bldg-Tier nos. contributing to GEP: 13

```
StkNo:  3  Stk Name:CTN02    Stk Ht:  18.29 Prelim. GEP Stk.Ht:   65.00
           GEP:  BH:  15.24  PBW:   32.92            *Eqn1 Ht:   38.10
         *adjusted for a Stack-Building elevation difference of    0.00
 No. of Tiers affecting Stk:  1  Direction occurred:   90.00
  Bldg-Tier nos. contributing to GEP:  13


StkNo:  4  Stk Name:CTN03    Stk Ht:  18.29 Prelim. GEP Stk.Ht:   65.00
           GEP:  BH:  15.24  PBW:   32.92            *Eqn1 Ht:   38.10
         *adjusted for a Stack-Building elevation difference of    0.00
 No. of Tiers affecting Stk:  1  Direction occurred:   90.00
  Bldg-Tier nos. contributing to GEP:  13


StkNo:  5  Stk Name:CTN04    Stk Ht:  18.29 Prelim. GEP Stk.Ht:   65.00
           GEP:  BH:  15.24  PBW:   32.92            *Eqn1 Ht:   38.10
         *adjusted for a Stack-Building elevation difference of    0.00
 No. of Tiers affecting Stk:  1  Direction occurred:   90.00
  Bldg-Tier nos. contributing to GEP:  13


StkNo:  6  Stk Name:CTN05    Stk Ht:  18.29 Prelim. GEP Stk.Ht:   65.00
           GEP:  BH:  15.24  PBW:   32.92            *Eqn1 Ht:   38.10
         *adjusted for a Stack-Building elevation difference of    0.00
 No. of Tiers affecting Stk:  1  Direction occurred:   90.00
  Bldg-Tier nos. contributing to GEP:  13


StkNo:  7  Stk Name:CTN06    Stk Ht:  18.29 Prelim. GEP Stk.Ht:   65.00
           GEP:  BH:  15.24  PBW:   32.92            *Eqn1 Ht:   38.10
         *adjusted for a Stack-Building elevation difference of    0.00
 No. of Tiers affecting Stk:  1  Direction occurred:   90.00
  Bldg-Tier nos. contributing to GEP:  13


StkNo:  8  Stk Name:CTN07    Stk Ht:  18.29 Prelim. GEP Stk.Ht:   65.00
           GEP:  BH:  15.24  PBW:   32.92            *Eqn1 Ht:   38.10
         *adjusted for a Stack-Building elevation difference of    0.00
 No. of Tiers affecting Stk:  1  Direction occurred:   90.00
  Bldg-Tier nos. contributing to GEP:  13


StkNo:  9  Stk Name:CTN08    Stk Ht:  18.29 Prelim. GEP Stk.Ht:   65.00
           GEP:  BH:  15.24  PBW:   32.92            *Eqn1 Ht:   38.10
         *adjusted for a Stack-Building elevation difference of    0.00
 No. of Tiers affecting Stk:  1  Direction occurred:   90.00
  Bldg-Tier nos. contributing to GEP:  13


StkNo: 10  Stk Name:CTN09    Stk Ht:  18.29 Prelim. GEP Stk.Ht:   65.00
           GEP:  BH:  15.24  PBW:   32.92            *Eqn1 Ht:   38.10
         *adjusted for a Stack-Building elevation difference of    0.00
 No. of Tiers affecting Stk:  1  Direction occurred:   90.00
  Bldg-Tier nos. contributing to GEP:  13


StkNo: 11  Stk Name:CTN10    Stk Ht:  18.29 Prelim. GEP Stk.Ht:  156.21
           GEP:  BH:  62.48  PBW:   76.85            *Eqn1 Ht:  156.21
         *adjusted for a Stack-Building elevation difference of    0.00
 No. of Tiers affecting Stk:  2  Direction occurred:  231.75
  Bldg-Tier nos. contributing to GEP:   3   1


StkNo: 12  Stk Name:CTN11    Stk Ht:  18.29 Prelim. GEP Stk.Ht:  157.74
           GEP:  BH:  63.09  PBW:   77.53            *Eqn1 Ht:  157.74
         *adjusted for a Stack-Building elevation difference of    0.00
 No. of Tiers affecting Stk:  2  Direction occurred:  231.00
  Bldg-Tier nos. contributing to GEP:   1   5


StkNo: 13  Stk Name:CTN12    Stk Ht:  18.29 Prelim. GEP Stk.Ht:  157.74
           GEP:  BH:  63.09  PBW:   75.19            *Eqn1 Ht:  157.74
         *adjusted for a Stack-Building elevation difference of    0.00
```

```
 No. of Tiers affecting Stk:  2  Direction occurred:  225.75
  Bldg-Tier nos. contributing to GEP:   1   5


StkNo: 14  Stk Name:CTN13    Stk Ht:  18.29 Prelim. GEP Stk.Ht:  157.74
           GEP:  BH:  63.09  PBW:   72.53            *Eqn1 Ht:  157.74
         *adjusted for a Stack-Building elevation difference of   0.00
 No. of Tiers affecting Stk:  2  Direction occurred:  221.00
  Bldg-Tier nos. contributing to GEP:   1   5


StkNo: 15  Stk Name:CTN14    Stk Ht:  18.29 Prelim. GEP Stk.Ht:  157.74
           GEP:  BH:  63.09  PBW:   69.91            *Eqn1 Ht:  157.74
         *adjusted for a Stack-Building elevation difference of   0.00
 No. of Tiers affecting Stk:  2  Direction occurred:  217.00
  Bldg-Tier nos. contributing to GEP:   1   5


StkNo: 16  Stk Name:CTN15    Stk Ht:  18.29 Prelim. GEP Stk.Ht:  157.74
           GEP:  BH:  63.09  PBW:   67.13            *Eqn1 Ht:  157.74
         *adjusted for a Stack-Building elevation difference of   0.00
 No. of Tiers affecting Stk:  2  Direction occurred:  213.25
  Bldg-Tier nos. contributing to GEP:   1   5


StkNo: 17  Stk Name:CTS01    Stk Ht:  18.29 Prelim. GEP Stk.Ht:   65.00
           GEP:  BH:  15.24  PBW:   32.92            *Eqn1 Ht:   38.10
         *adjusted for a Stack-Building elevation difference of   0.00
 No. of Tiers affecting Stk:  1  Direction occurred:   90.00
  Bldg-Tier nos. contributing to GEP:  14


StkNo: 18  Stk Name:CTS02    Stk Ht:  18.29 Prelim. GEP Stk.Ht:   65.00
           GEP:  BH:  15.24  PBW:   32.92            *Eqn1 Ht:   38.10
         *adjusted for a Stack-Building elevation difference of   0.00
 No. of Tiers affecting Stk:  1  Direction occurred:   90.00
  Bldg-Tier nos. contributing to GEP:  14


StkNo: 19  Stk Name:CTS03    Stk Ht:  18.29 Prelim. GEP Stk.Ht:   65.00
           GEP:  BH:  15.24  PBW:   32.92            *Eqn1 Ht:   38.10
         *adjusted for a Stack-Building elevation difference of   0.00
 No. of Tiers affecting Stk:  1  Direction occurred:   90.00
  Bldg-Tier nos. contributing to GEP:  14


StkNo: 20  Stk Name:CTS04    Stk Ht:  18.29 Prelim. GEP Stk.Ht:   65.00
           GEP:  BH:  15.24  PBW:   32.92            *Eqn1 Ht:   38.10
         *adjusted for a Stack-Building elevation difference of   0.00
 No. of Tiers affecting Stk:  1  Direction occurred:   90.00
  Bldg-Tier nos. contributing to GEP:  14


StkNo: 21  Stk Name:CTS05    Stk Ht:  18.29 Prelim. GEP Stk.Ht:   65.00
           GEP:  BH:  15.24  PBW:   32.92            *Eqn1 Ht:   38.10
         *adjusted for a Stack-Building elevation difference of   0.00
 No. of Tiers affecting Stk:  1  Direction occurred:   90.00
  Bldg-Tier nos. contributing to GEP:  14


StkNo: 22  Stk Name:CTS06    Stk Ht:  18.29 Prelim. GEP Stk.Ht:   65.00
           GEP:  BH:  15.24  PBW:   32.92            *Eqn1 Ht:   38.10
         *adjusted for a Stack-Building elevation difference of   0.00
 No. of Tiers affecting Stk:  1  Direction occurred:   90.00
  Bldg-Tier nos. contributing to GEP:  14


StkNo: 23  Stk Name:CTS07    Stk Ht:  18.29 Prelim. GEP Stk.Ht:   65.00
           GEP:  BH:  15.24  PBW:   32.92            *Eqn1 Ht:   38.10
         *adjusted for a Stack-Building elevation difference of   0.00
 No. of Tiers affecting Stk:  1  Direction occurred:   90.00
  Bldg-Tier nos. contributing to GEP:  14


StkNo: 24  Stk Name:CTS08    Stk Ht:  18.29 Prelim. GEP Stk.Ht:   65.00
```

```
          GEP:  BH:  15.24  PBW:   32.92            *Eqn1 Ht:   38.10
        *adjusted for a Stack-Building elevation difference of    0.00
No. of Tiers affecting Stk:  1  Direction occurred:   90.00
 Bldg-Tier nos. contributing to GEP:  14


StkNo: 25  Stk Name:CTS09    Stk Ht:  18.29 Prelim. GEP Stk.Ht:   65.00
          GEP:  BH:  15.24  PBW:   32.92            *Eqn1 Ht:   38.10
        *adjusted for a Stack-Building elevation difference of    0.00
No. of Tiers affecting Stk:  1  Direction occurred:   90.00
 Bldg-Tier nos. contributing to GEP:  14


StkNo: 26  Stk Name:CTS10    Stk Ht:  18.29 Prelim. GEP Stk.Ht:   65.00
          GEP:  BH:  15.24  PBW:   32.92            *Eqn1 Ht:   38.10
        *adjusted for a Stack-Building elevation difference of    0.00
No. of Tiers affecting Stk:  1  Direction occurred:   90.00
 Bldg-Tier nos. contributing to GEP:  14


StkNo: 27  Stk Name:CTS11    Stk Ht:  18.29 Prelim. GEP Stk.Ht:   65.00
          GEP:  BH:  15.24  PBW:   32.92            *Eqn1 Ht:   38.10
        *adjusted for a Stack-Building elevation difference of    0.00
No. of Tiers affecting Stk:  1  Direction occurred:   90.00
 Bldg-Tier nos. contributing to GEP:  14


StkNo: 28  Stk Name:CTS12    Stk Ht:  18.29 Prelim. GEP Stk.Ht:   65.00
          GEP:  BH:  15.24  PBW:   32.92            *Eqn1 Ht:   38.10
        *adjusted for a Stack-Building elevation difference of    0.00
No. of Tiers affecting Stk:  1  Direction occurred:   90.00
 Bldg-Tier nos. contributing to GEP:  14


StkNo: 29  Stk Name:CTS13    Stk Ht:  18.29 Prelim. GEP Stk.Ht:   65.00
          GEP:  BH:  15.24  PBW:   32.92            *Eqn1 Ht:   38.10
        *adjusted for a Stack-Building elevation difference of    0.00
No. of Tiers affecting Stk:  1  Direction occurred:   90.00
 Bldg-Tier nos. contributing to GEP:  14


StkNo: 30  Stk Name:CTS14    Stk Ht:  18.29 Prelim. GEP Stk.Ht:   65.00
          GEP:  BH:  15.24  PBW:   32.92            *Eqn1 Ht:   38.10
        *adjusted for a Stack-Building elevation difference of    0.00
No. of Tiers affecting Stk:  1  Direction occurred:   90.00
 Bldg-Tier nos. contributing to GEP:  14


StkNo: 31  Stk Name:CTS15    Stk Ht:  18.29 Prelim. GEP Stk.Ht:   65.00
          GEP:  BH:  15.24  PBW:   32.92            *Eqn1 Ht:   38.10
        *adjusted for a Stack-Building elevation difference of    0.00
No. of Tiers affecting Stk:  1  Direction occurred:   90.00
 Bldg-Tier nos. contributing to GEP:  14


StkNo: 32  Stk Name:EP45     Stk Ht:   3.05 Prelim. GEP Stk.Ht:   76.20
          GEP:  BH:  30.48  PBW:   68.99            *Eqn1 Ht:   76.20
        *adjusted for a Stack-Building elevation difference of    0.00
No. of Tiers affecting Stk:  1  Direction occurred:   62.00
 Bldg-Tier nos. contributing to GEP:  16


StkNo: 33  Stk Name:EP46     Stk Ht:  30.48 Prelim. GEP Stk.Ht:   65.00
          GEP:  BH:   0.00  PBW:    0.00            *Eqn1 Ht:    0.00
     No tiers affect this stack.


StkNo: 34  Stk Name:EP47     Stk Ht:  21.34 Prelim. GEP Stk.Ht:   65.00
          GEP:  BH:   0.00  PBW:    0.00            *Eqn1 Ht:    0.00
     No tiers affect this stack.


StkNo: 35  Stk Name:EP61     Stk Ht:  39.62 Prelim. GEP Stk.Ht:  157.74
          GEP:  BH:  63.09  PBW:   63.65            *Eqn1 Ht:  157.74
        *adjusted for a Stack-Building elevation difference of    0.00
```

```
 No. of Tiers affecting Stk:  2  Direction occurred:   29.00
  Bldg-Tier nos. contributing to GEP:   1   5


StkNo: 36  Stk Name:EP61A&B  Stk Ht:  39.62 Prelim. GEP Stk.Ht:  157.74
           GEP:  BH:  63.09  PBW:   64.29            *Eqn1 Ht:  157.74
         *adjusted for a Stack-Building elevation difference of    0.00
 No. of Tiers affecting Stk:  2  Direction occurred:   29.75
  Bldg-Tier nos. contributing to GEP:   1   5


StkNo: 37  Stk Name:EP52     Stk Ht:  76.20 Prelim. GEP Stk.Ht:  170.44
           GEP:  BH:  92.66  PBW:   51.86            *Eqn1 Ht:  170.44
         *adjusted for a Stack-Building elevation difference of    0.00
 No. of Tiers affecting Stk:  1  Direction occurred:  241.75
  Bldg-Tier nos. contributing to GEP:   2


StkNo: 38  Stk Name:EP53     Stk Ht:  76.20 Prelim. GEP Stk.Ht:  170.43
           GEP:  BH:  92.66  PBW:   51.85            *Eqn1 Ht:  170.43
         *adjusted for a Stack-Building elevation difference of    0.00
 No. of Tiers affecting Stk:  1  Direction occurred:  118.00
  Bldg-Tier nos. contributing to GEP:   1


StkNo: 39  Stk Name:EP65&66  Stk Ht:  42.67 Prelim. GEP Stk.Ht:   65.00
           GEP:  BH:   0.00  PBW:    0.00            *Eqn1 Ht:    0.00
     No tiers affect this stack.


StkNo: 40  Stk Name:EP68     Stk Ht:   3.05 Prelim. GEP Stk.Ht:   65.00
           GEP:  BH:   0.00  PBW:    0.00            *Eqn1 Ht:    0.00
     No tiers affect this stack.


StkNo: 41  Stk Name:EP7072A  Stk Ht:  32.00 Prelim. GEP Stk.Ht:   76.20
           GEP:  BH:  30.48  PBW:   45.70            *Eqn1 Ht:   76.20
         *adjusted for a Stack-Building elevation difference of    0.00
 No. of Tiers affecting Stk:  1  Direction occurred:   90.00
  Bldg-Tier nos. contributing to GEP:  16


StkNo: 42  Stk Name:EPREAG1  Stk Ht:  15.24 Prelim. GEP Stk.Ht:  170.46
           GEP:  BH:  92.66  PBW:   51.87            *Eqn1 Ht:  170.46
         *adjusted for a Stack-Building elevation difference of    0.00
 No. of Tiers affecting Stk:  1  Direction occurred:  119.50
  Bldg-Tier nos. contributing to GEP:   2


StkNo: 43  Stk Name:EPREAG2  Stk Ht:  15.24 Prelim. GEP Stk.Ht:  170.46
           GEP:  BH:  92.66  PBW:   51.87            *Eqn1 Ht:  170.46
         *adjusted for a Stack-Building elevation difference of    0.00
 No. of Tiers affecting Stk:  1  Direction occurred:   60.50
  Bldg-Tier nos. contributing to GEP:   2


StkNo: 44  Stk Name:CTN16    Stk Ht:  18.29 Prelim. GEP Stk.Ht:  157.74
           GEP:  BH:  63.09  PBW:   64.50            *Eqn1 Ht:  157.74
         *adjusted for a Stack-Building elevation difference of    0.00
 No. of Tiers affecting Stk:  2  Direction occurred:  210.00
  Bldg-Tier nos. contributing to GEP:   1   5


StkNo: 45  Stk Name:CTS16    Stk Ht:  18.29 Prelim. GEP Stk.Ht:   65.00
           GEP:  BH:  15.24  PBW:   32.92            *Eqn1 Ht:   38.10
         *adjusted for a Stack-Building elevation difference of    0.00
 No. of Tiers affecting Stk:  1  Direction occurred:   90.00
  Bldg-Tier nos. contributing to GEP:  14
```

```
'W:\Projects\FPL\SOLID FUEL LYKES\Lakes\GLADES.isc'
'P'
'METERS'  1.00000000
'UTMY'  0.0000
19
'BOILER1'  1          6.096  'Boiler 1 Structure'
    4         92.659
          482966.933     2973427.052
          482966.933     2973472.163
          482992.536     2973472.163
          482992.536     2973427.052
'BOILER2'  1          6.096  'Boiler 2 Structure'
    4         92.659
          483088.844     2973427.039
          483088.844     2973472.149
          483114.447     2973472.149
          483114.447     2973427.039
'CSILO1'  1          6.096  'Coal Silos for Unit 1'
    4         62.484
          482948.708     2973409.204
          482948.708     2973417.738
          483011.208     2973417.738
          483011.208     2973409.204
'CSILO2'  1          6.096  'Coal Silos for Unit 2'
    4         62.484
          483070.697     2973409.005
          483070.697     2973417.539
          483133.197     2973417.539
          483133.197     2973409.005
'SCR1'  1          6.096  'SCR for Boiler 1'
    4         63.094
          482960.840     2973478.900
          482960.840     2973501.150
          482998.635     2973501.150
          482998.635     2973478.900
'SCR2'  1          6.096  'SCR for Boiler 2'
    4         63.094
          483082.757     2973478.900
          483082.757     2973501.150
          483120.552     2973501.150
          483120.552     2973478.900
'ESP1'  1          6.096  'ESP for Boiler 1'
    4         32.614
          482942.239     2973537.256
          482942.239     2973573.832
          483017.220     2973573.832
          483017.220     2973537.256
'ESP22'  1          6.096  'ESP for Boiler 2'
    4         32.614
          483064.133     2973537.256
          483064.133     2973573.832
          483139.114     2973573.832
          483139.114     2973537.256
'ABSORB1'  1          6.096  'Absorber for Boiler 1'
    4         43.129
          482969.200     2973636.440
          482969.200     2973657.471
          482990.231     2973657.471
          482990.231     2973636.440
'ABSORB2'  1          6.096  'Absorber for Boiler 2'
    4         43.129
          483091.100     2973636.440
          483091.100     2973657.471
          483112.131     2973657.471
          483112.131     2973636.440
'WESP1'  1          6.096  'Wet ESP for Boiler 1'
    4         23.012
          482952.817     2973686.540
          482952.817     2973704.828
          483006.462     2973704.828
          483006.462     2973686.540
'WESP2'  1          6.096  'Wet ESP for Boiler 2'
    4         23.012
          483074.728     2973686.540
          483074.728     2973704.828
```

```
          483128.373      2973704.828
          483128.373      2973686.540
'COOL_N'  1           6.096  'Cooling Tower North'
    4          15.240
          482549.378      2973214.879
          482549.378      2973247.798
          482812.420      2973247.798
          482812.420      2973214.879
'COOL_S'  1           6.096  'Cooling Tower South'
    4          15.240
          482560.103      2973032.168
          482560.103      2973065.086
          482823.146      2973065.086
          482823.146      2973032.168
'CRUSHER'  1           6.096  'Crusher Building'
    4          36.576
          483141.358      2973729.402
          483141.358      2973744.642
          483156.294      2973744.642
          483156.294      2973729.402
'FLYASHPR'  1           6.096  'Flyash Processing Facility'
    4          30.480
          482866.054      2973801.365
          482866.054      2973847.065
          482927.054      2973847.065
          482927.054      2973801.365
'FASHSILO'  1           6.096  'Fly Ash Silos'
    4          28.956
          482938.799      2973834.672
          482938.799      2973849.912
          483013.467      2973849.912
          483013.467      2973834.672
'COALMAIN'  1           5.486  'Coal Handling Maintenance Building'
    4          9.144
          482969.196      2973941.931
          482969.196      2973988.274
          482981.853      2973988.274
          482981.853      2973941.931
'CTHOUSE'  1           6.096  'Coal Transfer House'
    4          27.432
          483143.840      2973409.002
          483143.840      2973421.167
          483154.549      2973421.167
          483154.549      2973409.002
45
'UNIT1&2'          6.096        152.400      483041.000     2973720.000  'Units 1 & 2
Stack'
'CTN01'          6.096          18.288       482557.600     2973230.300  'CT North Cell 1'
'CTN02'          6.096          18.288       482574.100     2973230.200  'CT North Cell 2'
'CTN03'          6.096          18.288       482590.500     2973230.200  'CT North Cell3'
'CTN04'          6.096          18.288       482607.000     2973230.200  'CT North Cell4'
'CTN05'          6.096          18.288       482623.500     2973230.200  'CT North Cell5'
'CTN06'          6.096          18.288       482639.900     2973230.200  'CT North Cell6'
'CTN07'          6.096          18.288       482656.400     2973230.200  'CT North Cell7'
'CTN08'          6.096          18.288       482672.900     2973230.200  'CT North Cell8'
'CTN09'          6.096          18.288       482689.300     2973230.200  'CT North Cell9'
'CTN10'          6.096          18.288       482705.800     2973230.200  'CT North Cell10'
'CTN11'          6.096          18.288       482722.200     2973230.200  'CT North Cell11'
'CTN12'          6.096          18.288       482738.700     2973230.200  'CT North Cell12'
'CTN13'          6.096          18.288       482755.200     2973230.200  'CT North Cell13'
'CTN14'          6.096          18.288       482771.600     2973230.200  'CT North Cell14'
'CTN15'          6.096          18.288       482788.100     2973230.200  'CT North Cell15'
'CTS01'          6.096          18.288       482568.330     2973048.700  'CT South Cell 1'
'CTS02'          6.096          18.288       482585.100     2973048.700  'CT South Cell 2'
'CTS03'          6.096          18.288       482601.500     2973048.700  'CT South Cell 3'
'CTS04'          6.096          18.288       482618.000     2973048.700  'CT South Cell 4'
'CTS05'          6.096          18.288       482634.500     2973048.700  'CT South Cell 5'
'CTS06'          6.096          18.288       482650.900     2973048.700  'CT South Cell 6'
'CTS07'          6.096          18.288       482667.400     2973048.700  'CT South Cell 7'
'CTS08'          6.096          18.288       482683.800     2973048.700  'CT South Cell 8'
'CTS09'          6.096          18.288       482700.300     2973048.700  'CT South Cell 9'
'CTS10'          6.096          18.288       482716.800     2973048.700  'CT South Cell 10'
'CTS11'          6.096          18.288       482733.200     2973048.700  'CT South Cell 11'
'CTS12'          6.096          18.288       482749.700     2973048.700  'CT South Cell 12'
'CTS13'          6.096          18.288       482766.200     2973048.700  'CT South Cell 13'
```

```
'CTS14'          6.096          18.288          482782.600          2973048.700  'CT South Cell 14'
'CTS15'          6.096          18.288          482799.100          2973048.700  'CT South Cell 15'
'EP45'           6.096           3.048          482964.270          2973899.190  'Railcar Unloading
Vent'
'EP46'           6.096          30.480          483175.660          2974018.100  'Transfer Tower 1'
'EP47'           6.096          21.336          483086.780          2974017.500  'Transfer Tower No.
2'
'EP61'           6.096          39.624          483148.700          2973736.530  'Crusher Tower'
'EP61A&B'          6.096           39.624           483153.260           2973742.800  'Crusher Tower 61A
& 61B'
'EP52'           6.096          76.200          482979.980          2973413.400  'Tripper to Silos
Unit 1'
'EP53'           6.096          76.200          483102.800          2973413.400  'Tripper to Silos
Unit 2'
'EP65&66'          6.096           42.672           483484.440           2974005.190  'Limestone Day
Bins'
'EP68'           6.096           3.048          483358.590          2973907.380  'Rail Bottom Dumper
Hopper'
'EP7072A'          6.096           32.004           482975.620           2973842.180  'Fly Ash Silos 70,
70A, 72, & 72A'
'EPREAG1'          6.096           15.240           483275.000           2973370.000  'Reagent Silo-
Water treatment'
'EPREAG2'          6.096           15.240           483162.000           2973463.000  'Reagent Silo-
Boiler'
'CTN16'          6.096          18.288          482804.600          2973230.200  'CT North Cell16'
'CTS16'          6.096          18.288          482815.600          2973048.700  'CT South Cell 16'
```

W:\Projects\FPL\SOLID FUEL LYKES\Lakes\GLADES.isc

BPIP (Dated: 04274)
DATE : 11/21/2006
TIME : 16:13: 1
W:\Projects\FPL\SOLID FUEL LYKES\Lakes\GLADES.isc

==========
BPIP PROCESSING INFORMATION:
==========

The P flag has been set for preparing downwash related data
for a model run utilizing the PRIME algorithm.

Inputs entered in METERS will be converted to meters using
a conversion factor of 1.0000. Output will be in meters.

The UTMP variable is set to UTMY. The input is assumed to be in
UTM coordinates. BPIP will move the UTM origin to the first pair of
UTM coordinates read. The UTM coordinates of the new origin will
be subtracted from all the other UTM coordinates entered to form
this new local coordinate system.

Plant north is set to 0.00 degrees with respect to True North.

W:\Projects\FPL\SOLID FUEL LYKES\Lakes\GLADES.isc

PRELIMINARY* GEP STACK HEIGHT RESULTS TABLE
(Output Units: meters)

Stack Name	Stack Height	Stack-Building Base Elevation Differences	GEP** EQN1	Preliminary* GEP Stack Height Value
UNIT1&2	152.40	0.00	156.21	156.21
CTN01	18.29	0.00	38.10	65.00
CTN02	18.29	0.00	38.10	65.00
CTN03	18.29	0.00	38.10	65.00
CTN04	18.29	0.00	38.10	65.00
CTN05	18.29	0.00	38.10	65.00
CTN06	18.29	0.00	38.10	65.00
CTN07	18.29	0.00	38.10	65.00
CTN08	18.29	0.00	38.10	65.00
CTN09	18.29	0.00	38.10	65.00
CTN10	18.29	0.00	156.21	156.21
CTN11	18.29	0.00	157.74	157.74
CTN12	18.29	0.00	157.74	157.74
CTN13	18.29	0.00	157.74	157.74
CTN14	18.29	0.00	157.74	157.74
CTN15	18.29	0.00	157.74	157.74
CTS01	18.29	0.00	38.10	65.00
CTS02	18.29	0.00	38.10	65.00
CTS03	18.29	0.00	38.10	65.00
CTS04	18.29	0.00	38.10	65.00
CTS05	18.29	0.00	38.10	65.00
CTS06	18.29	0.00	38.10	65.00
CTS07	18.29	0.00	38.10	65.00
CTS08	18.29	0.00	38.10	65.00
CTS09	18.29	0.00	38.10	65.00
CTS10	18.29	0.00	38.10	65.00
CTS11	18.29	0.00	38.10	65.00
CTS12	18.29	0.00	38.10	65.00
CTS13	18.29	0.00	38.10	65.00
CTS14	18.29	0.00	38.10	65.00
CTS15	18.29	0.00	38.10	65.00
EP45	3.05	0.00	76.20	76.20
EP46	30.48	N/A	0.00	65.00
EP47	21.34	N/A	0.00	65.00
EP61	39.62	0.00	157.74	157.74
EP61A&B	39.62	0.00	157.74	157.74
EP52	76.20	0.00	170.44	170.44

```
    EP53       76.20          0.00        170.43        170.43
    EP65&66    42.67           N/A          0.00         65.00
    EP68        3.05           N/A          0.00         65.00
    EP7072A    32.00          0.00         76.20         76.20
    EPREAG1    15.24          0.00        170.46        170.46
    EPREAG2    15.24          0.00        170.46        170.46
    CTN16      18.29          0.00        157.74        157.74
    CTS16      18.29          0.00         38.10         65.00

  * Results are based on Determinants 1 & 2 on pages 1 & 2 of the GEP
    Technical Support Document.  Determinant 3 may be investigated for
    additional stack height credit.  Final values result after
    Determinant 3 has been taken into consideration.
 ** Results were derived from Equation 1 on page 6 of GEP Technical
    Support Document.  Values have been adjusted for any stack-building
    base elevation differences.

    Note:  Criteria for determining stack heights for modeling emission
    limitations for a source can be found in Table 3.1 of the
    GEP Technical Support Document.
```

```
                               BPIP (Dated: 04274)
DATE : 11/21/2006
TIME : 16:13: 1


W:\Projects\FPL\SOLID FUEL LYKES\Lakes\GLADES.isc

 BPIP output is in meters


    SO BUILDHGT UNIT1&2    62.48    62.48    43.13    43.13    43.13    23.01
    SO BUILDHGT UNIT1&2    23.01    23.01     0.00    23.01    23.01    30.48
    SO BUILDHGT UNIT1&2    30.48    30.48    28.96    28.96    28.96     0.00
    SO BUILDHGT UNIT1&2     0.00     0.00     0.00    23.01    23.01    23.01
    SO BUILDHGT UNIT1&2    23.01    23.01     0.00    23.01    23.01    23.01
    SO BUILDHGT UNIT1&2    43.13    43.13    43.13    62.48    62.48    62.48
    SO BUILDWID UNIT1&2    63.03    78.78    28.73    29.63    29.63    42.66
    SO BUILDWID UNIT1&2    35.53    27.33     0.00    27.33    35.53    70.08
    SO BUILDWID UNIT1&2    74.22    76.10    72.28    75.38    76.18     0.00
    SO BUILDWID UNIT1&2     0.00     0.00     0.00    52.85    48.49    42.66
    SO BUILDWID UNIT1&2    35.53    27.33     0.00    27.33    35.53    42.66
    SO BUILDWID UNIT1&2    29.63    29.63    28.73    78.36    63.03    62.50
    SO BUILDLEN UNIT1&2    19.26   103.48    28.73    29.63    29.63    55.60
    SO BUILDLEN UNIT1&2    56.66    56.01     0.00    56.01    56.66    75.68
    SO BUILDLEN UNIT1&2    76.10    74.22    50.53    39.86    27.97     0.00
    SO BUILDLEN UNIT1&2     0.00     0.00     0.00    48.49    52.85    55.60
    SO BUILDLEN UNIT1&2    56.66    56.01     0.00    56.01    56.66    55.60
    SO BUILDLEN UNIT1&2    29.63    29.63    28.73   103.84    19.26     8.53
    SO XBADJ    UNIT1&2  -322.10  -323.62  -108.27  -110.16  -108.71   -93.10
    SO XBADJ    UNIT1&2   -94.31   -92.65     0.00    35.85    36.88  -215.04
    SO XBADJ    UNIT1&2  -215.69  -209.79  -163.61  -157.03  -145.69     0.00
    SO XBADJ    UNIT1&2     0.00     0.00     0.00    33.82    36.21    37.50
    SO XBADJ    UNIT1&2    37.64    36.65     0.00   -91.86   -93.55   -92.40
    SO XBADJ    UNIT1&2  -108.20  -109.73  -107.93  -323.77  -322.28  -310.80
    SO YBADJ    UNIT1&2     6.89   -38.91    16.55    -0.01   -16.56     9.62
    SO YBADJ    UNIT1&2    -1.86   -13.29     0.00   -13.43    -2.14    18.03
    SO YBADJ    UNIT1&2   -13.01   -43.66     4.97   -19.13   -42.65     0.00
    SO YBADJ    UNIT1&2     0.00     0.00     0.00   -31.37   -20.81    -9.62
    SO YBADJ    UNIT1&2     1.86    13.29     0.00    13.43     2.14    -9.22
    SO YBADJ    UNIT1&2    16.99     0.52   -15.97    39.28    -6.76    61.04


    SO BUILDHGT CTN01      15.24    15.24    15.24    15.24    15.24    15.24
    SO BUILDHGT CTN01      15.24    15.24    15.24    15.24    15.24    15.24
    SO BUILDHGT CTN01      15.24    15.24    15.24    15.24    15.24    15.24
    SO BUILDHGT CTN01      15.24    15.24    15.24    15.24    15.24    15.24
    SO BUILDHGT CTN01      15.24    15.24    15.24    15.24    15.24    15.24
    SO BUILDHGT CTN01      15.24    15.24    15.24    15.24    15.24    15.24
    SO BUILDWID CTN01     264.76   258.44   244.26   222.66   194.30   160.03
    SO BUILDWID CTN01     120.90    78.10    32.92    78.10   120.90   160.03
```

```
SO BUILDWID CTNO1     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTNO1     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTNO1     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTNO1     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTNO1      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTNO1     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTNO1     222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTNO1      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTNO1     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTNO1     222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTNO1     -16.61  -17.30  -17.47  -17.10  -16.21  -14.83
SO XBADJ    CTNO1     -13.00  -10.77   -8.22  -11.14  -13.71  -15.87
SO XBADJ    CTNO1     -17.55  -18.69  -19.26  -19.25  -18.66  -17.50
SO XBADJ    CTNO1     -61.48 -103.60 -142.56 -177.20 -206.45 -229.43
SO XBADJ    CTNO1    -245.44 -253.99 -254.82 -253.63 -244.73 -228.39
SO XBADJ    CTNO1    -205.12 -175.61 -140.76 -101.64  -59.44  -15.42
SO YBADJ    CTNO1    -121.25 -115.51 -106.26  -93.78  -78.46  -60.75
SO YBADJ    CTNO1     -41.19  -20.39    1.04   22.43   43.15   62.55
SO YBADJ    CTNO1      80.05   95.12  107.30  116.22  121.61  123.30
SO YBADJ    CTNO1     121.25  115.51  106.26   93.78   78.46   60.75
SO YBADJ    CTNO1      41.19   20.39   -1.04  -22.43  -43.15  -62.55
SO YBADJ    CTNO1     -80.05  -95.12 -107.30 -116.22 -121.61 -123.30

SO BUILDHGT CTNO2      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTNO2      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTNO2      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTNO2      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTNO2      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTNO2      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTNO2     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTNO2     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTNO2     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTNO2     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTNO2     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTNO2     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTNO2      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTNO2     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTNO2     222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTNO2      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTNO2     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTNO2     222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTNO2     -19.38  -22.85  -25.63  -27.63  -28.79  -29.07
SO XBADJ    CTNO2     -28.47  -27.01  -24.72  -27.40  -29.25  -30.21
SO XBADJ    CTNO2     -30.25  -29.37  -27.60  -24.99  -21.62  -17.60
SO XBADJ    CTNO2     -58.71  -98.05 -134.40 -166.67 -193.88 -215.19
SO XBADJ    CTNO2    -229.97 -237.76 -238.32 -237.36 -229.19 -214.05
SO XBADJ    CTNO2    -192.41 -164.93 -132.43  -95.91  -56.47  -15.32
SO YBADJ    CTNO2    -104.98  -99.97  -91.92  -81.08  -67.78  -52.41
SO YBADJ    CTNO2     -35.46  -17.42    1.14   19.67   37.60   54.39
SO YBADJ    CTNO2      69.52   82.54   93.06  100.75  105.37  106.80
SO YBADJ    CTNO2     104.98   99.97   91.92   81.08   67.78   52.41
SO YBADJ    CTNO2      35.46   17.42   -1.14  -19.67  -37.60  -54.39
SO YBADJ    CTNO2     -69.52  -82.54  -93.06 -100.75 -105.37 -106.80

SO BUILDHGT CTNO3      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTNO3      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTNO3      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTNO3      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTNO3      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTNO3      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTNO3     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTNO3     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTNO3     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTNO3     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTNO3     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTNO3     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTNO3      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTNO3     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTNO3     222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTNO3      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTNO3     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTNO3     222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTNO3     -22.23  -28.46  -33.83  -38.17  -41.35  -43.27
```

```
SO XBADJ    CTN03   -43.88  -43.16  -41.12  -43.55  -44.66  -44.41
SO XBADJ    CTN03   -42.81  -39.91  -35.80  -30.60  -24.47  -17.60
SO XBADJ    CTN03   -55.87  -92.44 -126.20 -156.13 -181.31 -200.99
SO XBADJ    CTN03  -214.56 -221.60 -221.92 -221.21 -213.78 -199.85
SO XBADJ    CTN03  -179.85 -154.38 -124.23  -90.30  -53.62  -15.32
SO YBADJ    CTN03   -88.83  -84.56  -77.72  -68.52  -57.24  -44.21
SO YBADJ    CTN03   -29.85  -14.58    1.14   16.82   31.99   46.19
SO YBADJ    CTN03    58.98   69.98   78.86   85.34   89.22   90.40
SO YBADJ    CTN03    88.83   84.56   77.72   68.52   57.24   44.21
SO YBADJ    CTN03    29.85   14.58   -1.14  -16.82  -31.99  -46.19
SO YBADJ    CTN03   -58.98  -69.98  -78.86  -85.34  -89.22  -90.40

SO BUILDHGT CTN04    15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN04    15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN04    15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN04    15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN04    15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN04    15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTN04   264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN04   120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN04   194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTN04   264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN04   120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN04   194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTN04    78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN04   258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN04   222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTN04    78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN04   258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN04   222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTN04   -25.09  -34.10  -42.08  -48.78  -53.99  -57.56
SO XBADJ    CTN04   -59.39  -59.41  -57.62  -59.80  -60.17  -58.70
SO XBADJ    CTN04   -55.45  -50.52  -44.05  -36.24  -27.34  -17.60
SO XBADJ    CTN04   -53.00  -86.79 -117.95 -145.52 -168.67 -186.70
SO XBADJ    CTN04  -199.05 -205.36 -205.42 -204.96 -198.27 -185.56
SO XBADJ    CTN04  -167.21 -143.78 -115.98  -84.65  -50.76  -15.32
SO YBADJ    CTN04   -72.58  -69.05  -63.43  -55.88  -46.63  -35.96
SO YBADJ    CTN04   -24.21  -11.71    1.14   13.95   26.34   37.94
SO YBADJ    CTN04    48.37   57.34   64.57   69.83   72.97   73.90
SO YBADJ    CTN04    72.58   69.05   63.43   55.88   46.63   35.96
SO YBADJ    CTN04    24.21   11.71   -1.14  -13.95  -26.34  -37.94
SO YBADJ    CTN04   -48.37  -57.34  -64.57  -69.83  -72.97  -73.90

SO BUILDHGT CTN05    15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN05    15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN05    15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN05    15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN05    15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN05    15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTN05   264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN05   120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN05   194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTN05   264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN05   120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN05   194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTN05    78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN05   258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN05   222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTN05    78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN05   258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN05   222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTN05   -27.96  -39.75  -50.33  -59.38  -66.63  -71.85
SO XBADJ    CTN05   -74.89  -75.66  -74.12  -76.05  -75.67  -72.99
SO XBADJ    CTN05   -68.09  -61.13  -52.30  -41.89  -30.20  -17.60
SO XBADJ    CTN05   -50.14  -81.15 -109.70 -134.92 -156.03 -172.41
SO XBADJ    CTN05  -183.55 -189.11 -188.92 -188.71 -182.77 -171.27
SO XBADJ    CTN05  -154.57 -133.17 -107.73  -79.01  -47.89  -15.32
SO YBADJ    CTN05   -56.33  -53.55  -49.14  -43.24  -36.02  -27.71
SO YBADJ    CTN05   -18.56   -8.85    1.14   11.09   20.70   29.69
SO YBADJ    CTN05    37.77   44.70   50.28   54.33   56.72   57.40
SO YBADJ    CTN05    56.33   53.55   49.14   43.24   36.02   27.71
SO YBADJ    CTN05    18.56    8.85   -1.14  -11.09  -20.70  -29.69
SO YBADJ    CTN05   -37.77  -44.70  -50.28  -54.33  -56.72  -57.40
```

```
SO BUILDHGT CTNO6     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTNO6     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTNO6     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTNO6     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTNO6     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTNO6     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTNO6    264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTNO6    120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTNO6    194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTNO6    264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTNO6    120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTNO6    194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTNO6     78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTNO6    258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTNO6    222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTNO6     78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTNO6    258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTNO6    222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTNO6    -30.81  -45.36  -58.53  -69.92  -79.19  -86.05
SO XBADJ    CTNO6    -90.30  -91.81  -90.52  -92.20  -91.08  -87.19
SO XBADJ    CTNO6    -80.66  -71.67  -60.50  -47.50  -33.05  -17.60
SO XBADJ    CTNO6    -47.29  -75.54 -101.50 -124.37 -143.47 -158.21
SO XBADJ    CTNO6   -168.13 -172.95 -172.52 -172.56 -167.36 -157.07
SO XBADJ    CTNO6   -142.01 -122.63  -99.53  -73.40  -45.05  -15.32
SO YBADJ    CTNO6    -40.18  -38.14  -34.94  -30.68  -25.48  -19.51
SO YBADJ    CTNO6    -12.95   -6.00    1.14    8.24   15.09   21.49
SO YBADJ    CTNO6     27.23   32.14   36.08   38.92   40.57   41.00
SO YBADJ    CTNO6     40.18   38.14   34.94   30.68   25.48   19.51
SO YBADJ    CTNO6     12.95    6.00   -1.14   -8.24  -15.09  -21.49
SO YBADJ    CTNO6    -27.23  -32.14  -36.08  -38.92  -40.57  -41.00

SO BUILDHGT CTNO7     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTNO7     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTNO7     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTNO7     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTNO7     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTNO7     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTNO7    264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTNO7    120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTNO7    194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTNO7    264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTNO7    120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTNO7    194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTNO7     78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTNO7    258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTNO7    222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTNO7     78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTNO7    258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTNO7    222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTNO7    -33.67  -51.00  -66.78  -80.53  -91.83 -100.34
SO XBADJ    CTNO7   -105.81 -108.06 -107.02 -108.45 -106.59 -101.48
SO XBADJ    CTNO7    -93.30  -82.27  -68.75  -53.14  -35.91  -17.60
SO XBADJ    CTNO7    -44.42  -69.90  -93.25 -113.77 -130.83 -143.92
SO XBADJ    CTNO7   -152.63 -156.71 -156.02 -156.31 -151.85 -142.78
SO XBADJ    CTNO7   -129.37 -112.02  -91.28  -67.76  -42.18  -15.32
SO YBADJ    CTNO7    -23.93  -22.63  -20.65  -18.04  -14.88  -11.26
SO YBADJ    CTNO7     -7.31   -3.13    1.14    5.38    9.45   13.24
SO YBADJ    CTNO7     16.62   19.50   21.79   23.41   24.32   24.50
SO YBADJ    CTNO7     23.93   22.63   20.65   18.04   14.88   11.26
SO YBADJ    CTNO7      7.31    3.13   -1.14   -5.38   -9.45  -13.24
SO YBADJ    CTNO7    -16.62  -19.50  -21.79  -23.41  -24.32  -24.50

SO BUILDHGT CTNO8     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTNO8     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTNO8     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTNO8     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTNO8     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTNO8     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTNO8    264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTNO8    120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTNO8    194.30  222.66  244.26  258.44  264.76  263.04
```

```
SO BUILDWID CTN08     264.76   258.44   244.26   222.66   194.30   160.03
SO BUILDWID CTN08     120.90    78.10    32.92    78.10   120.90   160.03
SO BUILDWID CTN08     194.30   222.66   244.26   258.44   264.76   263.04
SO BUILDLEN CTN08      78.10   120.90   160.03   194.30   222.66   244.26
SO BUILDLEN CTN08     258.44   264.76   263.04   264.76   258.44   244.26
SO BUILDLEN CTN08     222.66   194.30   160.03   120.90    78.10    32.92
SO BUILDLEN CTN08      78.10   120.90   160.03   194.30   222.66   244.26
SO BUILDLEN CTN08     258.44   264.76   263.04   264.76   258.44   244.26
SO BUILDLEN CTN08     222.66   194.30   160.03   120.90    78.10    32.92
SO XBADJ    CTN08     -36.54   -56.64   -75.03   -91.13  -104.47  -114.63
SO XBADJ    CTN08    -121.31  -124.31  -123.52  -124.70  -122.09  -115.77
SO XBADJ    CTN08    -105.94   -92.88   -77.00   -58.78   -38.78   -17.60
SO XBADJ    CTN08     -41.56   -64.26   -85.00  -103.16  -118.19  -129.63
SO XBADJ    CTN08    -137.12  -140.46  -139.52  -140.06  -136.35  -128.49
SO XBADJ    CTN08    -116.73  -101.42   -83.03   -62.12   -39.32   -15.32
SO YBADJ    CTN08      -7.68    -7.13    -6.36    -5.40    -4.27    -3.01
SO YBADJ    CTN08      -1.67    -0.27     1.14     2.51     3.81     4.99
SO YBADJ    CTN08       6.01     6.86     7.50     7.91     8.08     8.00
SO YBADJ    CTN08       7.68     7.13     6.36     5.40     4.27     3.01
SO YBADJ    CTN08       1.67     0.27    -1.14    -2.51    -3.81    -4.99
SO YBADJ    CTN08      -6.01    -6.86    -7.50    -7.91    -8.08    -8.00

SO BUILDHGT CTN09      15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT CTN09      15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT CTN09      15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT CTN09      15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT CTN09      15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT CTN09      15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDWID CTN09     264.76   258.44   244.26   222.66   194.30   160.03
SO BUILDWID CTN09     120.90    78.10    32.92    78.10   120.90   160.03
SO BUILDWID CTN09     194.30   222.66   244.26   258.44   264.76   263.04
SO BUILDWID CTN09     264.76   258.44   244.26   222.66   194.30   160.03
SO BUILDWID CTN09     120.90    78.10    32.92    78.10   120.90   160.03
SO BUILDWID CTN09     194.30   222.66   244.26   258.44   264.76   263.04
SO BUILDLEN CTN09      78.10   120.90   160.03   194.30   222.66   244.26
SO BUILDLEN CTN09     258.44   264.76   263.04   264.76   258.44   244.26
SO BUILDLEN CTN09     222.66   194.30   160.03   120.90    78.10    32.92
SO BUILDLEN CTN09      78.10   120.90   160.03   194.30   222.66   244.26
SO BUILDLEN CTN09     258.44   264.76   263.04   264.76   258.44   244.26
SO BUILDLEN CTN09     222.66   194.30   160.03   120.90    78.10    32.92
SO XBADJ    CTN09     -39.39   -62.25   -83.23  -101.68  -117.03  -128.84
SO XBADJ    CTN09    -136.72  -140.46  -139.92  -140.85  -137.50  -129.97
SO XBADJ    CTN09    -118.50  -103.42   -85.20   -64.39   -41.63   -17.60
SO XBADJ    CTN09     -38.71   -58.65   -76.80   -92.62  -105.63  -115.42
SO XBADJ    CTN09    -121.71  -124.31  -123.12  -123.91  -120.94  -114.29
SO XBADJ    CTN09    -104.16   -90.88   -74.83   -56.51   -36.47   -15.32
SO YBADJ    CTN09       8.47     8.28     7.84     7.17     6.27     5.19
SO YBADJ    CTN09       3.94     2.58     1.14    -0.34    -1.80    -3.21
SO YBADJ    CTN09      -4.53    -5.70    -6.71    -7.50    -8.08    -8.40
SO YBADJ    CTN09      -8.47    -8.28    -7.84    -7.17    -6.27    -5.19
SO YBADJ    CTN09      -3.94    -2.58    -1.14     0.34     1.80     3.21
SO YBADJ    CTN09       4.53     5.70     6.71     7.50     8.08     8.40

SO BUILDHGT CTN10      15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT CTN10      15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT CTN10      15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT CTN10      15.24    15.24    15.24    62.48    62.48    62.48
SO BUILDHGT CTN10      15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT CTN10      15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDWID CTN10     264.76   258.44   244.26   222.66   194.30   160.03
SO BUILDWID CTN10     120.90    78.10    32.92    78.10   120.90   160.03
SO BUILDWID CTN10     194.30   222.66   244.26   258.44   264.76   263.04
SO BUILDWID CTN10     264.76   258.44   244.26    97.69    76.69    76.66
SO BUILDWID CTN10     120.90    78.10    32.92    78.10   120.90   160.03
SO BUILDWID CTN10     194.30   222.66   244.26   258.44   264.76   263.04
SO BUILDLEN CTN10      78.10   120.90   160.03   194.30   222.66   244.26
SO BUILDLEN CTN10     258.44   264.76   263.04   264.76   258.44   244.26
SO BUILDLEN CTN10     222.66   194.30   160.03   120.90    78.10    32.92
SO BUILDLEN CTN10      78.10   120.90   160.03   102.53    74.04    69.44
SO BUILDLEN CTN10     258.44   264.76   263.04   264.76   258.44   244.26
SO BUILDLEN CTN10     222.66   194.30   160.03   120.90    78.10    32.92
SO XBADJ    CTN10     -42.25   -67.90   -91.48  -112.28  -129.67  -143.13
SO XBADJ    CTN10    -152.23  -156.71  -156.42  -157.10  -153.01  -144.26
```

SO	XBADJ	CTN10	-131.14	-114.03	-93.45	-70.04	-44.49	-17.60
SO	XBADJ	CTN10	-35.85	-53.00	-68.55	-395.79	-375.18	-369.30
SO	XBADJ	CTN10	-106.21	-108.06	-106.62	-107.66	-105.43	-100.00
SO	XBADJ	CTN10	-91.52	-80.27	-66.58	-50.86	-33.60	-15.32
SO	YBADJ	CTN10	24.72	23.79	22.13	19.81	16.88	13.44
SO	YBADJ	CTN10	9.59	5.45	1.14	-3.20	-7.45	-11.46
SO	YBADJ	CTN10	-15.13	-18.34	-21.00	-23.01	-24.33	-24.90
SO	YBADJ	CTN10	-24.72	-23.79	-22.13	70.05	20.84	-40.65
SO	YBADJ	CTN10	-9.59	-5.45	-1.14	3.20	7.45	11.46
SO	YBADJ	CTN10	15.13	18.34	21.00	23.01	24.32	24.90
SO	BUILDHGT	CTN11	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN11	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN11	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN11	15.24	15.24	15.24	63.09	63.09	62.48
SO	BUILDHGT	CTN11	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN11	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDWID	CTN11	264.76	258.44	244.26	222.66	194.30	160.03
SO	BUILDWID	CTN11	120.90	78.10	32.92	78.10	120.90	160.03
SO	BUILDWID	CTN11	194.30	222.66	244.26	258.44	264.76	263.04
SO	BUILDWID	CTN11	264.76	258.44	244.26	71.91	77.14	76.66
SO	BUILDWID	CTN11	120.90	78.10	32.92	78.10	120.90	160.03
SO	BUILDWID	CTN11	194.30	222.66	244.26	258.44	264.76	263.04
SO	BUILDLEN	CTN11	78.10	120.90	160.03	194.30	222.66	244.26
SO	BUILDLEN	CTN11	258.44	264.76	263.04	264.76	258.44	244.26
SO	BUILDLEN	CTN11	222.66	194.30	160.03	120.90	78.10	32.92
SO	BUILDLEN	CTN11	78.10	120.90	160.03	77.14	71.91	69.44
SO	BUILDLEN	CTN11	258.44	264.76	263.04	264.76	258.44	244.26
SO	BUILDLEN	CTN11	222.66	194.30	160.03	120.90	78.10	32.92
SO	XBADJ	CTN11	-45.10	-73.51	-99.68	-122.82	-142.24	-157.33
SO	XBADJ	CTN11	-167.64	-172.86	-172.82	-173.25	-168.42	-158.47
SO	XBADJ	CTN11	-143.70	-124.57	-101.65	-75.65	-47.34	-17.60
SO	XBADJ	CTN11	-33.00	-47.39	-60.35	-385.25	-385.92	-355.10
SO	XBADJ	CTN11	-90.80	-91.91	-90.22	-91.51	-90.02	-85.79
SO	XBADJ	CTN11	-78.96	-69.73	-58.38	-45.25	-30.75	-15.32
SO	YBADJ	CTN11	40.87	39.20	36.34	32.37	27.42	21.64
SO	YBADJ	CTN11	15.20	8.29	1.14	-6.05	-13.06	-19.66
SO	YBADJ	CTN11	-25.68	-30.91	-35.20	-38.42	-40.48	-41.30
SO	YBADJ	CTN11	-40.87	-39.20	-36.34	44.60	-15.60	-48.85
SO	YBADJ	CTN11	-15.20	-8.29	-1.14	6.05	13.06	19.66
SO	YBADJ	CTN11	25.68	30.91	35.20	38.42	40.48	41.30
SO	BUILDHGT	CTN12	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN12	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN12	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN12	15.24	15.24	15.24	63.09	63.09	62.48
SO	BUILDHGT	CTN12	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN12	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDWID	CTN12	264.76	258.44	244.26	222.66	194.30	160.03
SO	BUILDWID	CTN12	120.90	78.10	32.92	78.10	120.90	160.03
SO	BUILDWID	CTN12	194.30	222.66	244.26	258.44	264.76	263.04
SO	BUILDWID	CTN12	264.76	258.44	244.26	71.91	77.14	76.66
SO	BUILDWID	CTN12	120.90	78.10	32.92	78.10	120.90	160.03
SO	BUILDWID	CTN12	194.30	222.66	244.26	258.44	264.76	263.04
SO	BUILDLEN	CTN12	78.10	120.90	160.03	194.30	222.66	244.26
SO	BUILDLEN	CTN12	258.44	264.76	263.04	264.76	258.44	244.26
SO	BUILDLEN	CTN12	222.66	194.30	160.03	120.90	78.10	32.92
SO	BUILDLEN	CTN12	78.10	120.90	160.03	77.14	71.91	69.44
SO	BUILDLEN	CTN12	258.44	264.76	263.04	264.76	258.44	244.26
SO	BUILDLEN	CTN12	222.66	194.30	160.03	120.90	78.10	32.92
SO	XBADJ	CTN12	-47.96	-79.15	-107.93	-133.43	-154.88	-171.62
SO	XBADJ	CTN12	-183.14	-189.11	-189.32	-189.50	-183.92	-172.76
SO	XBADJ	CTN12	-156.34	-135.17	-109.90	-81.29	-50.21	-17.60
SO	XBADJ	CTN12	-30.13	-41.75	-52.10	-374.64	-373.29	-340.81
SO	XBADJ	CTN12	-75.29	-75.66	-73.72	-75.26	-74.51	-71.50
SO	XBADJ	CTN12	-66.32	-59.12	-50.13	-39.61	-27.89	-15.32
SO	YBADJ	CTN12	57.12	54.70	50.63	45.01	38.03	29.89
SO	YBADJ	CTN12	20.84	11.16	1.14	-8.92	-18.70	-27.91
SO	YBADJ	CTN12	-36.28	-43.55	-49.49	-53.93	-56.73	-57.80
SO	YBADJ	CTN12	-57.12	-54.70	-50.63	31.96	-26.20	-57.10
SO	YBADJ	CTN12	-20.84	-11.16	-1.14	8.92	18.70	27.91
SO	YBADJ	CTN12	36.28	43.55	49.49	53.93	56.73	57.80

```
SO BUILDHGT CTN13      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN13      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN13      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN13      15.24   15.24   15.24   63.09   63.09   62.48
SO BUILDHGT CTN13      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN13      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTN13     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN13     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN13     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTN13     264.76  258.44  244.26   71.91   77.14   76.66
SO BUILDWID CTN13     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN13     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTN13      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN13     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN13     222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTN13      78.10  120.90  160.03   77.14   71.91   69.44
SO BUILDLEN CTN13     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN13     222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTN13     -50.83  -84.79 -116.18 -144.04 -167.52 -185.91
SO XBADJ    CTN13    -198.65 -205.36 -205.82 -205.75 -199.43 -187.05
SO XBADJ    CTN13    -168.98 -145.78 -118.15  -86.93  -53.07  -17.60
SO XBADJ    CTN13     -27.27  -36.11  -43.85 -364.04 -360.65 -326.52
SO XBADJ    CTN13     -59.79  -59.41  -57.22  -59.01  -59.01  -57.21
SO XBADJ    CTN13     -53.68  -48.52  -41.88  -33.97  -25.02  -15.32
SO YBADJ    CTN13      73.37   70.21   64.92   57.65   48.63   38.14
SO YBADJ    CTN13      26.48   14.02    1.14  -11.78  -24.34  -36.16
SO YBADJ    CTN13     -46.89  -56.19  -63.78  -69.43  -72.97  -74.30
SO YBADJ    CTN13     -73.37  -70.21  -64.92   19.32  -36.81  -65.35
SO YBADJ    CTN13     -26.48  -14.02   -1.14   11.78   24.34   36.16
SO YBADJ    CTN13      46.89   56.19   63.78   69.43   72.97   74.30

SO BUILDHGT CTN14      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN14      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN14      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN14      15.24   15.24   63.09   63.09   63.09   15.24
SO BUILDHGT CTN14      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN14      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTN14     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN14     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN14     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTN14     264.76  258.44   64.50   71.91   77.14  160.03
SO BUILDWID CTN14     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN14     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTN14      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN14     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN14     222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTN14      78.10  120.90   80.02   77.14   71.91  244.26
SO BUILDLEN CTN14     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN14     222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTN14     -53.68  -90.40 -124.38 -154.58 -180.08 -200.11
SO XBADJ    CTN14    -214.06 -221.51 -222.22 -221.90 -214.84 -201.25
SO XBADJ    CTN14    -181.54 -156.32 -126.35  -92.54  -55.92  -17.60
SO XBADJ    CTN14     -24.42  -30.50 -348.17 -353.50 -348.08  -44.15
SO XBADJ    CTN14     -44.38  -43.26  -40.82  -42.86  -43.60  -43.01
SO XBADJ    CTN14     -41.12  -37.98  -33.68  -28.36  -22.18  -15.32
SO YBADJ    CTN14      89.52   85.62   79.12   70.21   59.17   46.34
SO YBADJ    CTN14      32.09   16.87    1.14  -14.63  -29.95  -44.36
SO YBADJ    CTN14     -57.43  -68.75  -77.98  -84.84  -89.13  -90.70
SO YBADJ    CTN14     -89.52  -85.62   60.66    6.76  -47.35  -46.34
SO YBADJ    CTN14     -32.09  -16.87   -1.14   14.63   29.95   44.36
SO YBADJ    CTN14      57.43   68.75   77.98   84.84   89.13   90.70

SO BUILDHGT CTN15      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN15      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN15      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN15      15.24   15.24   63.09   63.09   63.09   15.24
SO BUILDHGT CTN15      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN15      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTN15     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN15     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN15     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTN15     264.76  258.44   64.50   71.91   77.14  160.03
```

```
SO BUILDWID CTN15     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN15     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTN15      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN15     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN15     222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTN15      78.10  120.90   80.02   77.14   71.91  244.26
SO BUILDLEN CTN15     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN15     222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTN15     -56.54  -96.04 -132.63 -165.18 -192.72 -214.40
SO XBADJ    CTN15    -229.57 -237.76 -238.72 -238.15 -230.34 -215.54
SO XBADJ    CTN15    -194.18 -166.93 -134.60  -98.18  -58.78  -17.60
SO XBADJ    CTN15     -21.55  -24.85 -339.92 -342.89 -335.44  -29.86
SO XBADJ    CTN15     -28.87  -27.01  -24.32  -26.61  -28.09  -28.72
SO XBADJ    CTN15     -28.48  -27.37  -25.43  -22.71  -19.31  -15.32
SO YBADJ    CTN15     105.77  101.13   93.41   82.85   69.78   54.59
SO YBADJ    CTN15      37.73   19.74    1.14  -17.49  -35.60  -52.61
SO YBADJ    CTN15     -68.04  -81.39  -92.27 -100.35 -105.37 -107.20
SO YBADJ    CTN15    -105.77 -101.13   46.37   -5.88  -57.96  -54.59
SO YBADJ    CTN15     -37.73  -19.74   -1.14   17.49   35.60   52.61
SO YBADJ    CTN15      68.04   81.39   92.27  100.35  105.37  107.20

SO BUILDHGT CTS01      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS01      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS01      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS01      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS01      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS01      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS01     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS01     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS01     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS01     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS01     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS01     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS01      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS01     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS01     222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS01      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS01     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS01     222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS01     -17.71  -18.35  -18.43  -17.95  -16.93  -15.39
SO XBADJ    CTS01     -13.39  -10.97   -8.23  -10.95  -13.34  -15.32
SO XBADJ    CTS01     -16.83  -17.84  -18.30  -18.21  -17.57  -16.39
SO XBADJ    CTS01     -60.39 -102.55 -141.60 -176.35 -205.73 -228.87
SO XBADJ    CTS01    -245.05 -253.79 -254.82 -253.82 -245.10 -228.94
SO XBADJ    CTS01    -205.83 -176.46 -141.72 -102.69  -60.53  -16.53
SO YBADJ    CTS01    -121.43 -115.88 -106.81  -94.50  -79.31  -61.71
SO YBADJ    CTS01     -42.24  -21.48   -0.07   21.34   42.10   61.58
SO YBADJ    CTS01      79.20   94.40  106.74  115.83  121.41  123.29
SO YBADJ    CTS01     121.43  115.88  106.81   94.50   79.31   61.71
SO YBADJ    CTS01      42.24   21.48    0.07  -21.34  -42.10  -61.58
SO YBADJ    CTS01     -79.20  -94.40 -106.74 -115.83 -121.41 -123.29

SO BUILDHGT CTS02      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS02      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS02      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS02      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS02      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS02      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS02     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS02     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS02     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS02     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS02     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS02     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS02      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS02     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS02     222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS02      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS02     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS02     222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS02     -20.62  -24.08  -26.82  -28.73  -29.78  -29.91
SO XBADJ    CTS02     -29.14  -27.49  -25.00  -27.46  -29.09  -29.84
SO XBADJ    CTS02     -29.68  -28.62  -26.69  -23.95  -20.48  -16.39
```

```
SO XBADJ     CTS02     -57.47  -96.81 -133.21 -165.57 -192.89 -214.35
SO XBADJ     CTS02    -229.29 -237.27 -238.05 -237.30 -229.34 -214.42
SO XBADJ     CTS02    -192.98 -165.68 -133.34  -96.95  -57.62  -16.53
SO YBADJ     CTS02    -104.92 -100.13  -92.29  -81.65  -68.53  -53.33
SO YBADJ     CTS02     -36.50  -18.57   -0.07   18.43   36.36   53.20
SO YBADJ     CTS02      68.42   81.56   92.22  100.08  104.89  106.52
SO YBADJ     CTS02     104.92  100.13   92.29   81.65   68.53   53.33
SO YBADJ     CTS02      36.50   18.57    0.07  -18.43  -36.36  -53.20
SO YBADJ     CTS02     -68.42  -81.56  -92.22 -100.08 -104.89 -106.52

SO BUILDHGT  CTS03      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTS03      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTS03      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTS03      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTS03      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTS03      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID  CTS03     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID  CTS03     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID  CTS03     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID  CTS03     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID  CTS03     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID  CTS03     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN  CTS03      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN  CTS03     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN  CTS03     222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN  CTS03      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN  CTS03     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN  CTS03     222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ     CTS03     -23.47  -29.69  -35.02  -39.27  -42.34  -44.12
SO XBADJ     CTS03     -44.55  -43.64  -41.40  -43.61  -44.50  -44.04
SO XBADJ     CTS03     -42.24  -39.16  -34.89  -29.56  -23.33  -16.39
SO XBADJ     CTS03     -54.63  -91.21 -125.01 -155.02 -180.32 -200.14
SO XBADJ     CTS03    -213.88 -221.12 -221.65 -221.15 -213.93 -200.22
SO XBADJ     CTS03    -180.42 -155.14 -125.14  -91.34  -54.77  -16.53
SO YBADJ     CTS03     -88.77  -84.71  -78.09  -69.09  -57.99  -45.13
SO YBADJ     CTS03     -30.89  -15.72   -0.07   15.58   30.76   45.00
SO YBADJ     CTS03      57.88   68.99   78.01   84.66   88.74   90.12
SO YBADJ     CTS03      88.77   84.71   78.09   69.09   57.99   45.13
SO YBADJ     CTS03      30.89   15.72    0.07  -15.58  -30.76  -45.00
SO YBADJ     CTS03     -57.88  -68.99  -78.01  -84.66  -88.74  -90.12

SO BUILDHGT  CTS04      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTS04      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTS04      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTS04      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTS04      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTS04      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID  CTS04     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID  CTS04     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID  CTS04     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID  CTS04     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID  CTS04     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID  CTS04     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN  CTS04      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN  CTS04     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN  CTS04     222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN  CTS04      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN  CTS04     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN  CTS04     222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ     CTS04     -26.33  -35.34  -43.27  -49.88  -54.98  -58.41
SO XBADJ     CTS04     -60.06  -59.89  -57.90  -59.86  -60.01  -58.33
SO XBADJ     CTS04     -54.88  -49.77  -43.14  -35.20  -26.19  -16.39
SO XBADJ     CTS04     -51.76  -85.56 -116.76 -144.42 -167.68 -185.85
SO XBADJ     CTS04    -198.38 -204.87 -205.15 -204.90 -198.43 -185.93
SO XBADJ     CTS04    -167.78 -144.53 -116.89  -85.70  -51.90  -16.53
SO YBADJ     CTS04     -72.52  -69.21  -63.80  -56.45  -47.38  -36.88
SO YBADJ     CTS04     -25.25  -12.86   -0.07   12.71   25.11   36.75
SO YBADJ     CTS04      47.27   56.35   63.72   69.16   72.49   73.62
SO YBADJ     CTS04      72.52   69.21   63.80   56.45   47.38   36.88
SO YBADJ     CTS04      25.25   12.86    0.07  -12.71  -25.11  -36.75
SO YBADJ     CTS04     -47.27  -56.35  -63.72  -69.16  -72.49  -73.62
```

```
SO BUILDHGT CTS05      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS05      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS05      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS05      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS05      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS05      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS05     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS05     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS05     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS05     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS05     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS05     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS05      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS05     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS05     222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS05      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS05     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS05     222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS05     -29.20  -40.98  -51.52  -60.49  -67.62  -72.70
SO XBADJ    CTS05     -75.56  -76.14  -74.40  -76.11  -75.51  -72.62
SO XBADJ    CTS05     -67.52  -60.37  -51.39  -40.84  -29.06  -16.39
SO XBADJ    CTS05     -48.90  -79.92 -108.51 -133.81 -155.04 -171.57
SO XBADJ    CTS05    -182.87 -188.63 -188.65 -188.65 -182.92 -171.64
SO XBADJ    CTS05    -155.14 -133.92 -108.64  -80.06  -49.04  -16.53
SO YBADJ    CTS05     -56.27  -53.70  -49.51  -43.81  -36.77  -28.63
SO YBADJ    CTS05     -19.61   -9.99   -0.07    9.85   19.47   28.50
SO YBADJ    CTS05      36.66   43.71   49.43   53.65   56.24   57.12
SO YBADJ    CTS05      56.27   53.70   49.51   43.81   36.77   28.63
SO YBADJ    CTS05      19.61    9.99    0.07   -9.85  -19.47  -28.50
SO YBADJ    CTS05     -36.66  -43.71  -49.43  -53.65  -56.24  -57.12

SO BUILDHGT CTS06      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS06      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS06      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS06      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS06      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS06      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS06     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS06     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS06     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS06     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS06     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS06     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS06      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS06     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS06     222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS06      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS06     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS06     222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS06     -32.05  -46.59  -59.72  -71.03  -80.18  -86.90
SO XBADJ    CTS06     -90.98  -92.29  -90.80  -92.26  -90.93  -86.83
SO XBADJ    CTS06     -80.09  -70.92  -59.59  -46.45  -31.90  -16.39
SO XBADJ    CTS06     -46.05  -74.31 -100.31 -123.27 -142.48 -157.36
SO XBADJ    CTS06    -167.46 -172.47 -172.25 -172.50 -167.51 -157.44
SO XBADJ    CTS06    -142.57 -123.38 -100.44  -74.45  -46.19  -16.53
SO YBADJ    CTS06     -40.12  -38.29  -35.30  -31.24  -26.23  -20.43
SO YBADJ    CTS06     -14.00   -7.14   -0.07    7.00   13.86   20.30
SO YBADJ    CTS06      26.12   31.15   35.23   38.24   40.09   40.72
SO YBADJ    CTS06      40.12   38.29   35.30   31.24   26.23   20.43
SO YBADJ    CTS06      14.00    7.14    0.07   -7.00  -13.86  -20.30
SO YBADJ    CTS06     -26.12  -31.15  -35.23  -38.24  -40.09  -40.72

SO BUILDHGT CTS07      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS07      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS07      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS07      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS07      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS07      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS07     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS07     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS07     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS07     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS07     120.90   78.09   32.92   78.09  120.90  160.03
```

```
SO BUILDWID CTS07     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS07      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS07     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS07     222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS07      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS07     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS07     222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS07     -34.91  -52.23  -67.97  -81.63  -92.82 -101.19
SO XBADJ    CTS07    -106.48 -108.54 -107.30 -108.51 -106.43 -101.11
SO XBADJ    CTS07     -92.73  -81.52  -67.84  -52.10  -34.77  -16.39
SO XBADJ    CTS07     -43.18  -68.67  -92.06 -112.66 -129.84 -143.07
SO XBADJ    CTS07    -151.96 -156.23 -155.75 -156.25 -152.01 -143.15
SO XBADJ    CTS07    -129.93 -112.78  -92.19  -68.80  -43.33  -16.53
SO YBADJ    CTS07     -23.87  -22.79  -21.02  -18.60  -15.63  -12.18
SO YBADJ    CTS07      -8.35   -4.28   -0.07    4.13    8.22   12.05
SO YBADJ    CTS07      15.52   18.51   20.94   22.74   23.84   24.22
SO YBADJ    CTS07      23.87   22.79   21.02   18.60   15.63   12.18
SO YBADJ    CTS07       8.35    4.28    0.07   -4.13   -8.22  -12.05
SO YBADJ    CTS07     -15.52  -18.51  -20.94  -22.74  -23.84  -24.22

SO BUILDHGT CTS08      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS08      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS08      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS08      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS08      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS08      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS08     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS08     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS08     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS08     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS08     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS08     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS08      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS08     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS08     222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS08      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS08     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS08     222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS08     -37.76  -57.84  -76.17  -92.18 -105.38 -115.39
SO XBADJ    CTS08    -121.89 -124.69 -123.70 -124.66 -121.84 -115.32
SO XBADJ    CTS08    -105.29  -92.06  -76.04  -57.70  -37.62  -16.39
SO XBADJ    CTS08     -40.33  -63.06  -83.86 -102.12 -117.28 -128.87
SO XBADJ    CTS08    -136.55 -140.07 -139.35 -140.10 -136.60 -128.94
SO XBADJ    CTS08    -117.37 -102.23  -83.99  -63.19  -40.48  -16.53
SO YBADJ    CTS08      -7.72   -7.38   -6.81   -6.04   -5.09   -3.98
SO YBADJ    CTS08      -2.74   -1.43   -0.07    1.29    2.61    3.85
SO YBADJ    CTS08       4.97    5.95    6.74    7.33    7.69    7.82
SO YBADJ    CTS08       7.72    7.38    6.81    6.04    5.09    3.98
SO YBADJ    CTS08       2.74    1.43    0.07   -1.29   -2.61   -3.85
SO YBADJ    CTS08      -4.97   -5.95   -6.74   -7.33   -7.69   -7.82

SO BUILDHGT CTS09      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS09      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS09      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS09      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS09      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS09      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS09     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS09     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS09     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS09     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS09     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS09     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS09      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS09     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS09     222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS09      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS09     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS09     222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS09     -40.63  -63.49  -84.42 -102.78 -118.02 -129.68
SO XBADJ    CTS09    -137.40 -140.94 -140.20 -140.91 -137.35 -129.61
SO XBADJ    CTS09    -117.93 -102.67  -84.29  -63.35  -40.48  -16.39
SO XBADJ    CTS09     -37.47  -57.41  -75.61  -91.52 -104.64 -114.58
```

```
SO XBADJ     CTS09   -121.04 -123.83 -122.85 -123.85 -121.09 -114.65
SO XBADJ     CTS09   -104.73  -91.63  -75.74  -57.55  -37.61  -16.53
SO YBADJ     CTS09     8.53    8.13    7.48    6.60    5.52    4.27
SO YBADJ     CTS09     2.90    1.43   -0.07   -1.58   -3.04   -4.40
SO YBADJ     CTS09    -5.63   -6.69   -7.55   -8.18   -8.56   -8.68
SO YBADJ     CTS09    -8.53   -8.13   -7.48   -6.60   -5.52   -4.27
SO YBADJ     CTS09    -2.90   -1.43    0.07    1.58    3.04    4.40
SO YBADJ     CTS09     5.63    6.69    7.55    8.18    8.56    8.68

SO BUILDHGT  CTS10    15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTS10    15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTS10    15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTS10    15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTS10    15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTS10    15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID  CTS10   264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID  CTS10   120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID  CTS10   194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID  CTS10   264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID  CTS10   120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID  CTS10   194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN  CTS10    78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN  CTS10   258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN  CTS10   222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN  CTS10    78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN  CTS10   258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN  CTS10   222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ     CTS10   -43.49  -69.13  -92.67 -113.39 -130.66 -143.97
SO XBADJ     CTS10  -152.90 -157.19 -156.70 -157.16 -152.85 -143.90
SO XBADJ     CTS10  -130.57 -113.28  -92.54  -68.99  -43.35  -16.39
SO XBADJ     CTS10   -34.60  -51.77  -67.36  -80.91  -92.00 -100.29
SO XBADJ     CTS10  -105.54 -107.58 -106.35 -107.60 -105.59 -100.36
SO XBADJ     CTS10   -92.09  -81.02  -67.49  -51.91  -34.75  -16.53
SO YBADJ     CTS10    24.78   23.63   21.77   19.24   16.13   12.52
SO YBADJ     CTS10     8.54    4.30   -0.07   -4.44   -8.68  -12.65
SO YBADJ     CTS10   -16.24  -19.33  -21.84  -23.68  -24.81  -25.18
SO YBADJ     CTS10   -24.78  -23.63  -21.77  -19.24  -16.13  -12.52
SO YBADJ     CTS10    -8.54   -4.30    0.07    4.44    8.68   12.65
SO YBADJ     CTS10    16.24   19.33   21.84   23.68   24.81   25.18

SO BUILDHGT  CTS11    15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTS11    15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTS11    15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTS11    15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTS11    15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTS11    15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID  CTS11   264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID  CTS11   120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID  CTS11   194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID  CTS11   264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID  CTS11   120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID  CTS11   194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN  CTS11    78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN  CTS11   258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN  CTS11   222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN  CTS11    78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN  CTS11   258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN  CTS11   222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ     CTS11   -46.34  -74.74 -100.87 -123.93 -143.23 -158.17
SO XBADJ     CTS11  -168.31 -173.34 -173.10 -173.31 -168.26 -158.10
SO XBADJ     CTS11  -143.13 -123.82 -100.74  -74.60  -46.19  -16.39
SO XBADJ     CTS11   -31.76  -46.16  -59.16  -70.37  -79.44  -86.09
SO XBADJ     CTS11   -90.13  -91.42  -89.95  -91.45  -90.18  -86.16
SO XBADJ     CTS11   -79.53  -70.48  -59.29  -46.30  -31.90  -16.53
SO YBADJ     CTS11    40.93   39.04   35.97   31.80   26.67   20.72
SO YBADJ     CTS11    14.15    7.15   -0.07   -7.29  -14.29  -20.85
SO YBADJ     CTS11   -26.78  -31.90  -36.04  -39.09  -40.96  -41.58
SO YBADJ     CTS11   -40.93  -39.04  -35.97  -31.80  -26.67  -20.72
SO YBADJ     CTS11   -14.15   -7.15    0.07    7.29   14.29   20.85
SO YBADJ     CTS11    26.78   31.90   36.04   39.09   40.96   41.58

SO BUILDHGT  CTS12    15.24   15.24   15.24   15.24   15.24   15.24
```

```
SO BUILDHGT CTS12      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS12      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS12      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS12      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS12      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS12     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS12     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS12     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS12     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS12     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS12     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS12      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS12     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS12     222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS12      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS12     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS12     222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS12     -49.20  -80.38 -109.12 -134.53 -155.87 -172.46
SO XBADJ    CTS12    -183.82 -189.59 -189.60 -189.56 -183.77 -172.39
SO XBADJ    CTS12    -155.77 -134.42 -108.99  -80.24  -49.06  -16.39
SO XBADJ    CTS12     -28.89  -40.52  -50.91  -59.76  -66.80  -71.80
SO XBADJ    CTS12     -74.62  -75.18  -73.45  -75.20  -74.67  -71.87
SO XBADJ    CTS12     -66.89  -59.87  -51.04  -40.65  -29.03  -16.53
SO YBADJ    CTS12      57.18   54.55   50.26   44.44   37.27   28.97
SO YBADJ    CTS12      19.79   10.01   -0.07  -10.16  -19.93  -29.10
SO YBADJ    CTS12     -37.39  -44.54  -50.33  -54.60  -57.21  -58.08
SO YBADJ    CTS12     -57.18  -54.55  -50.26  -44.44  -37.27  -28.97
SO YBADJ    CTS12     -19.79  -10.01    0.07   10.16   19.93   29.10
SO YBADJ    CTS12      37.39   44.54   50.33   54.60   57.21   58.08

SO BUILDHGT CTS13      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS13      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS13      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS13      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS13      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS13      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS13     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS13     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS13     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS13     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS13     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS13     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS13      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS13     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS13     222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS13      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS13     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS13     222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS13     -52.07  -86.02 -117.37 -145.14 -168.51 -186.75
SO XBADJ    CTS13    -199.32 -205.84 -206.10 -205.81 -199.27 -186.68
SO XBADJ    CTS13    -168.41 -145.03 -117.24  -85.89  -51.93  -16.39
SO XBADJ    CTS13     -26.03  -34.87  -42.66  -49.16  -54.16  -57.51
SO XBADJ    CTS13     -59.12  -58.93  -56.95  -58.95  -59.17  -57.58
SO XBADJ    CTS13     -54.25  -49.27  -42.79  -35.01  -26.17  -16.53
SO YBADJ    CTS13      73.43   70.05   64.55   57.08   47.88   37.22
SO YBADJ    CTS13      25.44   12.88   -0.07  -13.02  -25.57  -37.35
SO YBADJ    CTS13     -47.99  -57.18  -64.62  -70.10  -73.46  -74.58
SO YBADJ    CTS13     -73.43  -70.05  -64.55  -57.08  -47.88  -37.22
SO YBADJ    CTS13     -25.44  -12.88    0.07   13.02   25.57   37.35
SO YBADJ    CTS13      47.99   57.18   64.62   70.10   73.46   74.58

SO BUILDHGT CTS14      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS14      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS14      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS14      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS14      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS14      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS14     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS14     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS14     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS14     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS14     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS14     194.30  222.66  244.26  258.44  264.76  263.04
```

```
SO BUILDLEN CTS14       78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS14      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS14      222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS14       78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS14      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS14      222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS14      -54.92  -91.63 -125.57 -155.68 -181.07 -200.95
SO XBADJ    CTS14     -214.73 -221.99 -222.50 -221.96 -214.68 -200.88
SO XBADJ    CTS14     -180.98 -155.57 -125.44  -91.50  -54.77  -16.39
SO XBADJ    CTS14      -23.18  -29.27  -34.46  -38.61  -41.59  -43.31
SO XBADJ    CTS14      -43.71  -42.78  -40.55  -42.80  -43.76  -43.38
SO XBADJ    CTS14      -41.69  -38.73  -34.59  -29.40  -23.32  -16.53
SO YBADJ    CTS14       89.58   85.46   78.75   69.64   58.42   45.42
SO YBADJ    CTS14       31.05   15.73   -0.07  -15.87  -31.18  -45.55
SO YBADJ    CTS14      -58.53  -69.74  -78.82  -85.51  -89.61  -90.98
SO YBADJ    CTS14      -89.58  -85.46  -78.75  -69.64  -58.42  -45.42
SO YBADJ    CTS14      -31.05  -15.73    0.07   15.87   31.18   45.55
SO YBADJ    CTS14       58.53   69.74   78.82   85.51   89.61   90.98

SO BUILDHGT CTS15       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS15       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS15       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS15       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS15       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS15       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS15      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS15      120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS15      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS15      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS15      120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS15      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS15       78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS15      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS15      222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS15       78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS15      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS15      222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS15      -57.78  -97.28 -133.82 -166.29 -193.71 -215.24
SO XBADJ    CTS15     -230.24 -238.24 -239.00 -238.21 -230.19 -215.17
SO XBADJ    CTS15     -193.61 -166.18 -133.69  -97.14  -57.64  -16.39
SO XBADJ    CTS15      -20.31  -23.62  -26.21  -28.01  -28.95  -29.02
SO XBADJ    CTS15      -28.20  -26.53  -24.05  -26.55  -28.25  -29.09
SO XBADJ    CTS15      -29.05  -28.12  -26.34  -23.76  -20.46  -16.53
SO YBADJ    CTS15      105.83  100.97   93.04   82.28   69.03   53.67
SO YBADJ    CTS15       36.69   18.59   -0.07  -18.73  -36.83  -53.80
SO YBADJ    CTS15      -69.14  -82.38  -93.11 -101.02 -105.86 -107.48
SO YBADJ    CTS15     -105.83 -100.97  -93.04  -82.28  -69.03  -53.67
SO YBADJ    CTS15      -36.69  -18.59    0.07   18.73   36.83   53.80
SO YBADJ    CTS15       69.14   82.38   93.11  101.02  105.86  107.48

SO BUILDHGT EP45        28.96   30.48   30.48   30.48   30.48   30.48
SO BUILDHGT EP45         0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP45        28.96   28.96   28.96   28.96   28.96   28.96
SO BUILDHGT EP45        28.96   28.96   28.96   28.96   28.96   30.48
SO BUILDHGT EP45         0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP45        28.96   28.96   28.96   28.96   28.96   28.96
SO BUILDWID EP45        76.18   72.95   75.68   76.10   74.22   70.08
SO BUILDWID EP45         0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP45        59.67   67.00   72.28   75.38   76.18   74.67
SO BUILDWID EP45        76.18   75.38   72.28   67.00  104.25   70.08
SO BUILDWID EP45         0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP45        59.67   67.00   72.28   75.38   76.18   74.67
SO BUILDLEN EP45        27.97   63.81   70.08   74.22   76.10   75.68
SO BUILDLEN EP45         0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP45        67.00   59.67   50.53   39.86   27.97   15.24
SO BUILDLEN EP45        27.97   39.86   50.53   59.67  144.13   75.68
SO BUILDLEN EP45         0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP45        67.00   59.67   50.53   39.86   27.97   15.24
SO XBADJ    EP45       -67.96 -125.52 -133.83 -138.07 -138.12 -133.97
SO XBADJ    EP45         0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP45        12.16   21.38   29.94   37.59   44.11   49.28
SO XBADJ    EP45        39.99   29.48   18.08    6.13   -6.01   58.29
SO XBADJ    EP45         0.00    0.00    0.00    0.00    0.00    0.00
```

```
SO XBADJ    EP45    -79.16  -81.05  -80.47  -77.45  -72.08  -64.52
SO YBADJ    EP45    -21.56   37.99   21.16    3.68  -13.91  -31.07
SO YBADJ    EP45      0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP45    -35.96  -27.49  -18.18   -8.31    1.80   11.86
SO YBADJ    EP45     21.56   30.61   38.72   45.66   28.92   31.07
SO YBADJ    EP45      0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP45     35.96   27.49   18.18    8.31   -1.80  -11.86

SO BUILDHGT EP46      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP46      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP46      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP46      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP46      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP46      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP46      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP46      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP46      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP46      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP46      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP46      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP46      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP46      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP46      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP46      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP46      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP46      0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP46      0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP46      0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP46      0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP46      0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP46      0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP46      0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP46      0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP46      0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP46      0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP46      0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP46      0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP46      0.00    0.00    0.00    0.00    0.00    0.00

SO BUILDHGT EP47      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP47      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP47      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP47      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP47      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP47      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP47      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP47      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP47      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP47      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP47      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP47      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP47      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP47      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP47      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP47      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP47      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP47      0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP47      0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP47      0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP47      0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP47      0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP47      0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP47      0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP47      0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP47      0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP47      0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP47      0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP47      0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP47      0.00    0.00    0.00    0.00    0.00    0.00

SO BUILDHGT EP61     62.48   62.48   63.09   63.09   36.58   36.58
SO BUILDHGT EP61     36.58   36.58   36.58   36.58   36.58   36.58
```

SO	BUILDHGT	EP61	36.58	36.58	36.58	36.58	36.58	36.58
SO	BUILDHGT	EP61	36.58	36.58	36.58	36.58	36.58	36.58
SO	BUILDHGT	EP61	36.58	36.58	36.58	36.58	36.58	36.58
SO	BUILDHGT	EP61	36.58	36.58	36.58	36.58	36.58	62.48
SO	BUILDWID	EP61	65.67	78.78	64.50	71.91	21.28	20.67
SO	BUILDWID	EP61	19.43	17.60	15.24	17.60	19.43	20.67
SO	BUILDWID	EP61	21.28	21.24	20.55	19.25	17.36	14.94
SO	BUILDWID	EP61	17.36	19.25	20.55	21.24	21.28	20.67
SO	BUILDWID	EP61	19.43	17.60	15.24	17.60	19.43	20.67
SO	BUILDWID	EP61	21.28	21.24	20.55	19.25	17.36	62.50
SO	BUILDLEN	EP61	99.40	103.48	80.02	77.14	21.24	20.55
SO	BUILDLEN	EP61	19.25	17.36	14.94	17.36	19.25	20.55
SO	BUILDLEN	EP61	21.24	21.28	20.67	19.43	17.60	15.24
SO	BUILDLEN	EP61	17.60	19.43	20.67	21.28	21.24	20.55
SO	BUILDLEN	EP61	19.25	17.36	14.94	17.36	19.25	20.55
SO	BUILDLEN	EP61	21.24	21.28	20.67	19.43	17.60	92.15
SO	XBADJ	EP61	-336.09	-375.99	-358.90	-353.91	-10.21	-9.92
SO	XBADJ	EP61	-9.34	-8.47	-7.34	-8.64	-9.67	-10.41
SO	XBADJ	EP61	-10.84	-10.93	-10.70	-10.13	-9.26	-8.11
SO	XBADJ	EP61	-9.31	-10.22	-10.82	-11.10	-11.03	-10.63
SO	XBADJ	EP61	-9.91	-8.89	-7.59	-8.72	-9.57	-10.14
SO	XBADJ	EP61	-10.40	-10.34	-9.97	-9.30	-8.34	-327.53
SO	YBADJ	EP61	-8.77	56.64	12.75	-43.35	0.30	0.36
SO	YBADJ	EP61	0.42	0.46	0.49	0.51	0.51	0.49
SO	YBADJ	EP61	0.46	0.41	0.36	0.29	0.21	0.13
SO	YBADJ	EP61	0.04	-0.05	-0.14	-0.22	-0.30	-0.36
SO	YBADJ	EP61	-0.42	-0.46	-0.49	-0.51	-0.51	-0.49
SO	YBADJ	EP61	-0.46	-0.41	-0.36	-0.29	-0.21	46.75

SO	BUILDHGT	EP61A&B	62.48	62.48	63.09	63.09	36.58	36.58
SO	BUILDHGT	EP61A&B	36.58	36.58	36.58	36.58	36.58	36.58
SO	BUILDHGT	EP61A&B	36.58	36.58	36.58	36.58	36.58	36.58
SO	BUILDHGT	EP61A&B	36.58	36.58	36.58	36.58	36.58	36.58
SO	BUILDHGT	EP61A&B	36.58	36.58	36.58	36.58	36.58	36.58
SO	BUILDHGT	EP61A&B	36.58	36.58	36.58	36.58	36.58	62.48
SO	BUILDWID	EP61A&B	65.67	78.78	64.50	71.91	21.28	20.67
SO	BUILDWID	EP61A&B	19.43	17.60	15.24	17.60	19.43	20.67
SO	BUILDWID	EP61A&B	21.28	21.24	20.55	19.25	17.36	14.94
SO	BUILDWID	EP61A&B	17.36	19.25	20.55	21.24	21.28	20.67
SO	BUILDWID	EP61A&B	19.43	17.60	15.24	17.60	19.43	20.67
SO	BUILDWID	EP61A&B	21.28	21.24	20.55	19.25	17.36	62.50
SO	BUILDLEN	EP61A&B	99.40	103.48	80.02	77.14	21.24	20.55
SO	BUILDLEN	EP61A&B	19.25	17.36	14.94	17.36	19.25	20.55
SO	BUILDLEN	EP61A&B	21.24	21.28	20.67	19.43	17.60	15.24
SO	BUILDLEN	EP61A&B	17.60	19.43	20.67	21.28	21.24	20.55
SO	BUILDLEN	EP61A&B	19.25	17.36	14.94	17.36	19.25	20.55
SO	BUILDLEN	EP61A&B	21.24	21.28	20.67	19.43	17.60	92.15
SO	XBADJ	EP61A&B	-343.06	-383.44	-366.61	-361.65	-17.73	-17.01
SO	XBADJ	EP61A&B	-15.77	-14.05	-11.90	-12.04	-11.81	-11.23
SO	XBADJ	EP61A&B	-10.30	-9.06	-7.55	-5.80	-3.88	-1.84
SO	XBADJ	EP61A&B	-2.34	-2.77	-3.11	-3.36	-3.51	-3.55
SO	XBADJ	EP61A&B	-3.48	-3.31	-3.03	-5.31	-7.43	-9.33
SO	XBADJ	EP61A&B	-10.94	-12.21	-13.12	-13.63	-13.72	-333.80
SO	YBADJ	EP61A&B	-5.37	58.78	13.57	-43.88	-1.58	-2.79
SO	YBADJ	EP61A&B	-3.91	-4.92	-5.78	-6.46	-6.95	-7.22
SO	YBADJ	EP61A&B	-7.28	-7.11	-6.73	-6.14	-5.37	-4.43
SO	YBADJ	EP61A&B	-3.36	-2.19	-0.95	0.32	1.58	2.79
SO	YBADJ	EP61A&B	3.91	4.92	5.78	6.46	6.95	7.22
SO	YBADJ	EP61A&B	7.28	7.11	6.73	6.14	5.37	51.31

SO	BUILDHGT	EP52	62.48	62.48	92.66	92.66	92.66	92.66
SO	BUILDHGT	EP52	92.66	92.66	92.66	92.66	92.66	92.66
SO	BUILDHGT	EP52	92.66	92.66	92.66	62.48	62.48	62.48
SO	BUILDHGT	EP52	62.48	62.48	92.66	92.66	92.66	92.66
SO	BUILDHGT	EP52	92.66	92.66	92.66	92.66	92.66	92.66
SO	BUILDHGT	EP52	92.66	92.66	92.66	62.48	62.48	62.48
SO	BUILDWID	EP52	63.03	78.78	44.73	48.61	51.01	51.86
SO	BUILDWID	EP52	51.15	48.87	45.11	48.87	51.15	51.86
SO	BUILDWID	EP52	51.01	48.61	44.73	78.36	63.03	62.50
SO	BUILDWID	EP52	63.03	78.78	44.73	48.61	51.01	51.86
SO	BUILDWID	EP52	51.15	48.87	45.11	48.87	51.15	51.86
SO	BUILDWID	EP52	51.01	48.61	44.73	78.36	63.03	62.50
SO	BUILDLEN	EP52	19.26	103.48	51.87	51.01	48.61	44.73

```
SO BUILDLEN EP52       39.49   33.05   25.60   33.05   39.49   44.73
SO BUILDLEN EP52       48.61   51.01   51.87  103.63   19.26    8.53
SO BUILDLEN EP52       19.26  103.48   51.87   51.01   48.61   44.73
SO BUILDLEN EP52       39.49   33.05   25.60   33.05   39.49   44.73
SO BUILDLEN EP52       48.61   51.01   51.87  103.63   19.26    8.53
SO XBADJ    EP52       -9.56  -14.64    5.30    2.07   -1.22  101.10
SO XBADJ    EP52       -7.59  -10.48  -13.05  -23.05  -32.36  -40.68
SO XBADJ    EP52      -47.77  -53.40  -57.41  -89.00   -9.70   -4.34
SO XBADJ    EP52       -9.69  -88.84  -57.17  -53.09  -47.39 -145.83
SO XBADJ    EP52      -31.90  -22.57  -12.56   -9.99   -7.13   -4.05
SO XBADJ    EP52       -0.84    2.39    5.54  -14.62   -9.55   -4.20
SO YBADJ    EP52        0.03    8.61   18.32   23.46   27.89  -29.49
SO YBADJ    EP52       34.11   35.70   36.21   35.61   33.94   31.23
SO YBADJ    EP52       27.58   23.09   17.89    8.36   -0.01   -0.02
SO YBADJ    EP52       -0.03   -8.61  -18.32  -23.46  -27.89   29.49
SO YBADJ    EP52      -34.11  -35.70  -36.21  -35.61  -33.94  -31.23
SO YBADJ    EP52      -27.58  -23.09  -17.89   -8.36    0.01    0.02

SO BUILDHGT EP53       62.48   62.48   92.66   92.66   92.66   92.66
SO BUILDHGT EP53       92.66   92.66   92.66   92.66   92.66   92.66
SO BUILDHGT EP53       92.66   92.66   92.66   62.48   62.48   62.48
SO BUILDHGT EP53       62.48   62.48   92.66   92.66   92.66   92.66
SO BUILDHGT EP53       92.66   92.66   92.66   92.66   92.66   92.66
SO BUILDHGT EP53       92.66   92.66   92.66   62.48   62.48   62.48
SO BUILDWID EP53       63.03   78.91   44.73   48.61   51.01   51.85
SO BUILDWID EP53       51.15   48.87   45.11   48.87   51.15   51.85
SO BUILDWID EP53       51.01   48.61   44.73   78.36   63.03   62.50
SO BUILDWID EP53       63.03   78.91   44.73   48.61   51.01   51.85
SO BUILDWID EP53       51.15   48.87   45.11   48.87   51.15   51.85
SO BUILDWID EP53       51.01   48.61   44.73   78.36   63.03   62.50
SO BUILDLEN EP53       19.26  103.64   51.87   51.01   48.61   44.73
SO BUILDLEN EP53       39.49   33.05   25.60   33.05   39.49   44.73
SO BUILDLEN EP53       48.61   51.01   51.87  103.84   19.26    8.53
SO BUILDLEN EP53       19.26  103.64   51.87   51.01   48.61   44.73
SO BUILDLEN EP53       39.49   33.05   25.60   33.05   39.49   44.73
SO BUILDLEN EP53       48.61   51.01   51.87  103.84   19.26    8.53
SO XBADJ    EP53       -9.90  -15.11    4.83    1.48   -1.92   -5.27
SO XBADJ    EP53       -8.45  -11.38 -135.87 -144.01 -147.77  -41.46
SO XBADJ    EP53      -48.45  -53.98  -57.86  -89.31   -9.65   -4.14
SO XBADJ    EP53       -9.35  -88.53  -56.70  -52.49  -46.69  -39.46
SO XBADJ    EP53      -31.04  -21.67  -11.65   -9.10   -6.28   -3.27
SO XBADJ    EP53       -0.16    2.96    5.99  -14.53   -9.61   -4.40
SO YBADJ    EP53        0.82    9.39   19.10   24.15   28.47   31.92
SO YBADJ    EP53       34.41   35.84   36.21   14.29   -8.07   30.77
SO YBADJ    EP53       26.98   22.38   17.10    7.51   -0.86   -0.85
SO YBADJ    EP53       -0.82   -9.39  -19.10  -24.15  -28.47  -31.92
SO YBADJ    EP53      -34.41  -35.84  -36.19  -35.44  -33.62  -30.77
SO YBADJ    EP53      -26.98  -22.38  -17.10   -7.51    0.86    0.85

SO BUILDHGT EP65&66     0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP65&66     0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP65&66     0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP65&66     0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP65&66     0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP65&66     0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP65&66     0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP65&66     0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP65&66     0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP65&66     0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP65&66     0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP65&66     0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP65&66     0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP65&66     0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP65&66     0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP65&66     0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP65&66     0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP65&66     0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP65&66     0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP65&66     0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP65&66     0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP65&66     0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP65&66     0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP65&66     0.00    0.00    0.00    0.00    0.00    0.00
```

```
SO YBADJ    EP65&66     0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP65&66     0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP65&66     0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP65&66     0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP65&66     0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP65&66     0.00    0.00    0.00    0.00    0.00    0.00

SO BUILDHGT EP68        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP68        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP68        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP68        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP68        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP68        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP68        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP68        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP68        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP68        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP68        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP68        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP68        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP68        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP68        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP68        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP68        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP68        0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP68        0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP68        0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP68        0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP68        0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP68        0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP68        0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP68        0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP68        0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP68        0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP68        0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP68        0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP68        0.00    0.00    0.00    0.00    0.00    0.00

SO BUILDHGT EP7072A    28.96   28.96   28.96   30.48   30.48   30.48
SO BUILDHGT EP7072A    30.48   30.48   30.48   30.48   30.48   28.96
SO BUILDHGT EP7072A    28.96   28.96   28.96   28.96   28.96   28.96
SO BUILDHGT EP7072A    28.96   28.96   28.96   30.48   30.48   30.48
SO BUILDHGT EP7072A    30.48   30.48   30.48   30.48   30.48   28.96
SO BUILDHGT EP7072A    28.96   28.96   28.96   28.96   28.96   28.96
SO BUILDWID EP7072A    76.18   75.38   72.28   76.10   74.22   70.08
SO BUILDWID EP7072A    63.81   55.60   45.70   55.60   63.81   50.53
SO BUILDWID EP7072A    59.67   67.00   72.28   75.38   76.18   74.67
SO BUILDWID EP7072A    76.18   75.38   72.28   76.10   74.22   70.08
SO BUILDWID EP7072A    63.81   55.60   45.70   55.60   63.81   50.53
SO BUILDWID EP7072A    59.67   67.00   72.28   75.38   76.18   74.67
SO BUILDLEN EP7072A    27.97   39.86   50.53   74.22   76.10   75.68
SO BUILDLEN EP7072A    72.95   68.01   61.00   68.01   72.95   72.28
SO BUILDLEN EP7072A    67.00   59.67   50.53   39.86   27.97   15.24
SO BUILDLEN EP7072A    27.97   39.86   50.53   74.22   76.10   75.68
SO BUILDLEN EP7072A    72.95   68.01   61.00   68.01   72.95   72.28
SO BUILDLEN EP7072A    67.00   59.67   50.53   39.86   27.97   15.24
SO XBADJ    EP7072A   -13.79  -19.65  -24.91 -101.69 -110.17 -115.29
SO XBADJ    EP7072A  -116.92 -114.99 -109.57 -108.75 -104.63  -35.75
SO XBADJ    EP7072A   -33.18  -29.59  -25.11  -19.86  -14.01   -7.73
SO XBADJ    EP7072A   -14.19  -20.21  -25.62   27.48   34.06   39.62
SO XBADJ    EP7072A    43.97   46.98   48.57   40.74   31.68  -36.53
SO XBADJ    EP7072A   -33.82  -30.08  -25.43  -20.00  -13.97   -7.51
SO YBADJ    EP7072A    -0.49   -0.44   -0.39   49.02   37.06   23.97
SO YBADJ    EP7072A    10.16   -3.96  -17.97  -31.42  -43.92    0.35
SO YBADJ    EP7072A     0.42    0.46    0.50    0.52    0.52    0.51
SO YBADJ    EP7072A     0.49    0.44    0.39  -49.02  -37.06  -23.97
SO YBADJ    EP7072A   -10.16    3.96   17.97   31.42   43.92   -0.35
SO YBADJ    EP7072A    -0.42   -0.46   -0.50   -0.52   -0.52   -0.51

SO BUILDHGT EPREAG1     0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EPREAG1     0.00    0.00    0.00   92.66   92.66   92.66
SO BUILDHGT EPREAG1    92.66    0.00    0.00    0.00    0.00    0.00
```

SO	BUILDHGT	EPREAG1	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDHGT	EPREAG1	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDHGT	EPREAG1	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDWID	EPREAG1	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDWID	EPREAG1	0.00	0.00	0.00	48.87	51.15	51.87
SO	BUILDWID	EPREAG1	51.01	0.00	0.00	0.00	0.00	0.00
SO	BUILDWID	EPREAG1	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDWID	EPREAG1	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDWID	EPREAG1	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDLEN	EPREAG1	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDLEN	EPREAG1	0.00	0.00	0.00	33.05	39.49	44.73
SO	BUILDLEN	EPREAG1	48.61	0.00	0.00	0.00	0.00	0.00
SO	BUILDLEN	EPREAG1	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDLEN	EPREAG1	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDLEN	EPREAG1	0.00	0.00	0.00	0.00	0.00	0.00
SO	XBADJ	EPREAG1	0.00	0.00	0.00	0.00	0.00	0.00
SO	XBADJ	EPREAG1	0.00	0.00	0.00	-201.07	-209.87	-212.29
SO	XBADJ	EPREAG1	-208.26	0.00	0.00	0.00	0.00	0.00
SO	XBADJ	EPREAG1	0.00	0.00	0.00	0.00	0.00	0.00
SO	XBADJ	EPREAG1	0.00	0.00	0.00	0.00	0.00	0.00
SO	XBADJ	EPREAG1	0.00	0.00	0.00	0.00	0.00	0.00
SO	YBADJ	EPREAG1	0.00	0.00	0.00	0.00	0.00	0.00
SO	YBADJ	EPREAG1	0.00	0.00	0.00	48.28	15.50	-17.75
SO	YBADJ	EPREAG1	-50.46	0.00	0.00	0.00	0.00	0.00
SO	YBADJ	EPREAG1	0.00	0.00	0.00	0.00	0.00	0.00
SO	YBADJ	EPREAG1	0.00	0.00	0.00	0.00	0.00	0.00
SO	YBADJ	EPREAG1	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDHGT	EPREAG2	62.48	62.48	63.09	92.66	92.66	92.66
SO	BUILDHGT	EPREAG2	92.66	92.66	92.66	92.66	92.66	92.66
SO	BUILDHGT	EPREAG2	92.66	63.09	63.09	62.48	32.61	62.48
SO	BUILDHGT	EPREAG2	62.48	62.48	63.09	92.66	92.66	92.66
SO	BUILDHGT	EPREAG2	92.66	92.66	92.66	92.66	92.66	92.66
SO	BUILDHGT	EPREAG2	92.66	63.09	63.09	62.48	0.00	62.48
SO	BUILDWID	EPREAG2	63.03	78.91	64.50	48.61	51.01	51.87
SO	BUILDWID	EPREAG2	51.15	48.87	45.11	48.87	51.15	51.87
SO	BUILDWID	EPREAG2	51.01	71.93	64.52	78.36	80.19	62.50
SO	BUILDWID	EPREAG2	63.03	78.91	64.50	48.61	51.01	51.87
SO	BUILDWID	EPREAG2	51.15	48.87	45.11	48.87	51.15	51.87
SO	BUILDWID	EPREAG2	51.01	71.93	64.52	78.36	0.00	62.50
SO	BUILDLEN	EPREAG2	19.26	103.64	80.04	51.01	48.61	44.73
SO	BUILDLEN	EPREAG2	39.49	33.05	25.60	33.05	39.49	44.73
SO	BUILDLEN	EPREAG2	48.61	77.14	80.03	103.84	49.04	8.53
SO	BUILDLEN	EPREAG2	19.26	103.64	80.04	51.01	48.61	44.73
SO	BUILDLEN	EPREAG2	39.49	33.05	25.60	33.05	39.49	44.73
SO	BUILDLEN	EPREAG2	48.61	77.14	80.03	103.84	0.00	8.53
SO	XBADJ	EPREAG2	-69.03	-81.97	-67.72	-74.57	-79.16	-81.34
SO	XBADJ	EPREAG2	-195.60	-198.35	-195.07	-193.69	-71.87	-67.93
SO	XBADJ	EPREAG2	-61.92	-80.16	-72.66	-62.95	-126.14	45.46
SO	XBADJ	EPREAG2	49.77	-21.67	-12.31	23.56	30.55	36.61
SO	XBADJ	EPREAG2	41.56	45.24	47.55	40.59	32.39	23.20
SO	XBADJ	EPREAG2	13.31	3.02	-7.37	-40.89	0.00	-54.00
SO	YBADJ	EPREAG2	50.51	48.06	55.45	37.62	28.53	18.57
SO	YBADJ	EPREAG2	49.75	18.46	-13.39	-44.84	-33.24	-41.79
SO	YBADJ	EPREAG2	-49.06	-43.19	-49.08	-65.08	-43.39	-60.05
SO	YBADJ	EPREAG2	-50.51	-48.06	-55.45	-37.62	-28.53	-18.57
SO	YBADJ	EPREAG2	-8.04	2.72	13.41	23.68	33.24	41.79
SO	YBADJ	EPREAG2	49.06	43.19	49.08	65.08	0.00	60.05
SO	BUILDHGT	CTN16	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN16	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN16	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN16	15.24	15.24	63.09	63.09	63.09	15.24
SO	BUILDHGT	CTN16	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN16	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDWID	CTN16	264.76	258.44	244.26	222.66	194.30	160.03
SO	BUILDWID	CTN16	120.90	78.10	32.92	78.10	120.90	160.03
SO	BUILDWID	CTN16	194.30	222.66	244.26	258.44	264.76	263.04
SO	BUILDWID	CTN16	264.76	258.44	64.50	71.91	77.14	160.03
SO	BUILDWID	CTN16	120.90	78.10	32.92	78.10	120.90	160.03
SO	BUILDWID	CTN16	194.30	222.66	244.26	258.44	264.76	263.04
SO	BUILDLEN	CTN16	78.10	120.90	160.03	194.30	222.66	244.26
SO	BUILDLEN	CTN16	258.44	264.76	263.04	264.76	258.44	244.26

```
SO BUILDLEN CTN16     222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTN16      78.10  120.90   80.02   77.14   71.91  244.26
SO BUILDLEN CTN16     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN16     222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTN16     -59.41 -101.69 -140.88 -175.79 -205.36 -228.69
SO XBADJ    CTN16    -245.07 -254.01 -255.22 -254.40 -245.85 -229.83
SO XBADJ    CTN16    -206.82 -177.53 -142.85 -103.83  -61.65  -17.60
SO XBADJ    CTN16     -18.69  -19.21 -331.67 -332.28 -322.80  -15.57
SO XBADJ    CTN16     -13.37  -10.76   -7.82  -10.36  -12.59  -14.43
SO XBADJ    CTN16     -15.84  -16.76  -17.18  -17.07  -16.45  -15.32
SO YBADJ    CTN16     122.02  116.63  107.70   95.49   80.39   62.84
SO YBADJ    CTN16      43.38   22.60    1.14  -20.36  -41.24  -60.86
SO YBADJ    CTN16     -78.64  -94.03 -106.56 -115.85 -121.62 -123.70
SO YBADJ    CTN16    -122.02 -116.63   32.08  -18.52  -68.56  -62.84
SO YBADJ    CTN16     -43.38  -22.60   -1.14   20.36   41.24   60.86
SO YBADJ    CTN16      78.64   94.03  106.56  115.85  121.62  123.70


SO BUILDHGT CTS16      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS16      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS16      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS16      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS16      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS16      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS16     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS16     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS16     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS16     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS16     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS16     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS16      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS16     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS16     222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS16      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS16     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS16     222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS16     -60.65 -102.92 -142.07 -176.89 -206.35 -229.53
SO XBADJ    CTS16    -245.74 -254.49 -255.50 -254.46 -245.69 -229.46
SO XBADJ    CTS16    -206.25 -176.78 -141.94 -102.78  -60.50  -16.39
SO XBADJ    CTS16     -17.45  -17.98  -17.96  -17.40  -16.31  -14.73
SO XBADJ    CTS16     -12.70  -10.28   -7.55  -10.30  -12.75  -14.80
SO XBADJ    CTS16     -16.41  -17.51  -18.09  -18.12  -17.59  -16.53
SO YBADJ    CTS16     122.08  116.47  107.33   94.92   79.63   61.92
SO YBADJ    CTS16      42.33   21.46   -0.07  -21.60  -42.47  -62.05
SO YBADJ    CTS16     -79.75  -95.02 -107.40 -116.52 -122.10 -123.98
SO YBADJ    CTS16    -122.08 -116.47 -107.33  -94.92  -79.63  -61.92
SO YBADJ    CTS16     -42.33  -21.46    0.07   21.60   42.47   62.05
SO YBADJ    CTS16      79.75   95.02  107.40  116.52  122.10  123.98
```

APPENDIX F

MODEL SUMMARY AND INPUT FILES

```
CO STARTING
   TITLEONE FPL ATCP - GLADES COUNTY LOAD ANALYSIS SIG IMPACT 11/18/06
   TITLETWO 2001 UNIT 1&2 STACK, GENERIC 1 G/S EMISSION RATE
   MODELOPT DFAULT CONC
   AVERTIME 1 3 8 24 PERIOD
   POLLUTID OTHER
   RUNORNOT RUN
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
   LOCATION UN12100  POINT  483041.0  2973720.0  6.1
   LOCATION UN12070  POINT  483041.0  2973720.0  6.1
   LOCATION UN12040  POINT  483041.0  2973720.0  6.1

** Source Parameters **
   SRCPARAM UN12100  1.0  152.1  330.0  16.8  12.9
   SRCPARAM UN12070  1.0  152.1  330.0  11.2  12.9
   SRCPARAM UN12040  1.0  152.1  330.0  6.40  12.9

** Building Downwash **
   BUILDHGT UN12040-UN12100     62.48   62.48   43.13   43.13   43.13   23.01
   BUILDHGT UN12040-UN12100     23.01   23.01    0.00   23.01   23.01   30.48
   BUILDHGT UN12040-UN12100     30.48   30.48   28.96   28.96   28.96    0.00
   BUILDHGT UN12040-UN12100      0.00    0.00    0.00   23.01   23.01   23.01
   BUILDHGT UN12040-UN12100     23.01   23.01    0.00   23.01   23.01   23.01
   BUILDHGT UN12040-UN12100     43.13   43.13   43.13   62.48   62.48   62.48

   BUILDWID UN12040-UN12100     63.03   78.78   28.73   29.63   29.63   42.66
   BUILDWID UN12040-UN12100     35.53   27.33    0.00   27.33   35.53   70.08
   BUILDWID UN12040-UN12100     74.22   76.10   72.28   75.38   76.18    0.00
   BUILDWID UN12040-UN12100      0.00    0.00    0.00   52.85   48.49   42.66
   BUILDWID UN12040-UN12100     35.53   27.33    0.00   27.33   35.53   42.66
   BUILDWID UN12040-UN12100     29.63   29.63   28.73   78.36   63.03   62.50

   BUILDLEN UN12040-UN12100     19.26  103.48   28.73   29.63   29.63   55.60
   BUILDLEN UN12040-UN12100     56.66   56.01    0.00   56.01   56.66   75.68
   BUILDLEN UN12040-UN12100     76.10   74.22   50.53   39.86   27.97    0.00
   BUILDLEN UN12040-UN12100      0.00    0.00    0.00   48.49   52.85   55.60
   BUILDLEN UN12040-UN12100     56.66   56.01    0.00   56.01   56.66   55.60
   BUILDLEN UN12040-UN12100     29.63   29.63   28.73  103.84   19.26    8.53

   XBADJ    UN12040-UN12100   -322.10 -323.62 -108.27 -110.16 -108.71  -93.10
   XBADJ    UN12040-UN12100    -94.31  -92.65    0.00   35.85   36.88 -215.04
   XBADJ    UN12040-UN12100   -215.69 -209.79 -163.61 -157.03 -145.69    0.00
   XBADJ    UN12040-UN12100      0.00    0.00    0.00   33.82   36.21   37.50
   XBADJ    UN12040-UN12100     37.64   36.65    0.00  -91.86  -93.55  -92.40
   XBADJ    UN12040-UN12100   -108.20 -109.73 -107.93 -323.77 -322.28 -310.80

   YBADJ    UN12040-UN12100      6.89  -38.91   16.55   -0.01  -16.56    9.62
   YBADJ    UN12040-UN12100     -1.86  -13.29    0.00  -13.43   -2.14   18.03
   YBADJ    UN12040-UN12100    -13.01  -43.66    4.97  -19.13  -42.65    0.00
   YBADJ    UN12040-UN12100      0.00    0.00    0.00  -31.37  -20.81   -9.62
   YBADJ    UN12040-UN12100      1.86   13.29    0.00   13.43    2.14   -9.22
   YBADJ    UN12040-UN12100     16.99    0.52  -15.97   39.28   -6.76   61.04

   SRCGROUP UN12100 UN12100
   SRCGROUP UN12070 UN12070
   SRCGROUP UN12040 UN12040

SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED GLADES.ROU
RE FINISHED
```

```
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE  C:\AMODMET\FTMYERS_2001.SFC
   PROFFILE  C:\AMODMET\FTMYERS_2001.PFL
   SURFDATA  12894 2001 FT_MYERS
   UAIRDATA  12842 2001 TAMPA/INT'L_ARPT
   PROFBASE  31 FEET
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   PLOTFILE  3 UN12100 1ST 03H1G01.PLT
   PLOTFILE 24 UN12100 1ST 24H1G01.PLT
   PLOTFILE PERIOD UN12100 PE00G01.PLT
OU FINISHED
```

AERMOD OUTPUT FILE NUMBER 1 :GLBLRGEN.O01
AERMOD OUTPUT FILE NUMBER 2 :GLBLRGEN.O02
AERMOD OUTPUT FILE NUMBER 3 :GLBLRGEN.O03
AERMOD OUTPUT FILE NUMBER 4 :GLBLRGEN.O04
AERMOD OUTPUT FILE NUMBER 5 :GLBLRGEN.O05
First title for last output file is: FPL ATCP - GLADES COUNTY LOAD ANALYSIS SIG IMPACT 11/18/06
Second title for last output file is: 2001 UNIT 1&2 STACK, GENERIC 1 G/S EMISSION RATE

AVERAGING TIME	YEAR	CONC (ug/m3)	X (m)	Y (m)	PERIOD ENDING (YYMMDDHH)
SOURCE GROUP ID:	UN1210				
Annual					
	2001	0.00629	484351.	2975197.	01123124
	2002	0.00532	484401.	2975197.	02123124
	2003	0.00624	484401.	2975197.	03123124
	2004	0.00552	484451.	2975197.	04123124
	2005	0.00569	480956.	2972837.	05123124
HIGH 1-Hour					
	2001	0.25518	484500.	2975300.	01052709
	2002	0.25036	482900.	2970900.	02060308
	2003	0.21516	479682.	2974386.	03011611
	2004	0.30660	485200.	2970500.	04122411
	2005	0.24836	479682.	2973491.	05121712
HIGH 3-Hour					
	2001	0.14794	483859.	2975062.	01052215
	2002	0.14804	483000.	2975200.	02030215
	2003	0.14869	484027.	2975139.	03032015
	2004	0.16922	484900.	2970700.	04122412
	2005	0.15685	482800.	2975200.	05082815
HIGH 8-Hour					
	2001	0.10644	483730.	2974932.	01052216
	2002	0.10703	484550.	2975197.	02061416
	2003	0.10540	483730.	2974932.	03061816
	2004	0.11814	484027.	2975139.	04092716
	2005	0.12469	482600.	2975200.	05071016
HIGH 24-Hour					
	2001	0.05002	484069.	2975158.	01031624
	2002	0.05042	484500.	2975197.	02061424
	2003	0.05882	483730.	2974932.	03061824
	2004	0.04794	484000.	2975700.	04090624
	2005	0.04655	482500.	2975200.	05071024
SOURCE GROUP ID:	UN1207				
Annual					
	2001	0.00805	484027.	2975139.	01123124
	2002	0.00692	483730.	2974932.	02123124
	2003	0.00822	483730.	2974932.	03123124
	2004	0.00699	484351.	2975197.	04123124
	2005	0.00743	481047.	2972798.	05123124
HIGH 1-Hour					
	2001	0.30100	484351.	2975197.	01052709
	2002	0.32472	482900.	2971400.	02060308
	2003	0.28025	479750.	2971750.	03121210
	2004	0.36858	483000.	2969750.	04122410
	2005	0.31863	479000.	2977500.	05121011
HIGH 3-Hour					
	2001	0.19761	483730.	2974932.	01052215
	2002	0.20537	483000.	2975000.	02030215
	2003	0.20063	483331.	2974932.	03032012
	2004	0.19926	483031.	2974932.	04091515
	2005	0.21919	482881.	2974932.	05082815
HIGH 8-Hour					
	2001	0.14111	483730.	2974932.	01052216
	2002	0.14622	483680.	2974932.	02061716
	2003	0.13955	483730.	2974932.	03061816
	2004	0.15159	482003.	2972382.	04090316
	2005	0.17586	482681.	2974932.	05071016
HIGH 24-Hour					
	2001	0.06928	484027.	2975139.	01031524
	2002	0.06164	484451.	2975197.	02061424
	2003	0.07856	483730.	2974932.	03061824

	2004	0.06474	483900.	2975500.	04090624
	2005	0.06616	482600.	2975000.	05071024
SOURCE GROUP ID:	UN1204				
Annual					
	2001	0.01177	483730.	2974932.	01123124
	2002	0.01018	483730.	2974932.	02123124
	2003	0.01205	483730.	2974932.	03123124
	2004	0.01015	483730.	2974932.	04123124
	2005	0.01025	481183.	2972738.	05123124
HIGH 1-Hour					
	2001	0.35775	484302.	2975197.	01052709
	2002	0.42308	482900.	2971700.	02060308
	2003	0.41870	480800.	2972400.	03121210
	2004	0.51854	483100.	2970600.	04122410
	2005	0.45321	480000.	2976500.	05121011
HIGH 3-Hour					
	2001	0.28314	483081.	2974932.	01091115
	2002	0.29000	482981.	2974932.	02030215
	2003	0.29107	483231.	2974932.	03110315
	2004	0.28651	483031.	2974932.	04091515
	2005	0.31306	482881.	2974932.	05082815
HIGH 8-Hour					
	2001	0.19537	482781.	2972045.	01110516
	2002	0.21290	482881.	2974932.	02030216
	2003	0.20650	483580.	2974932.	03031916
	2004	0.20205	482003.	2972382.	04090316
	2005	0.25738	482681.	2974932.	05071016
HIGH 24-Hour					
	2001	0.10163	483943.	2975101.	01031524
	2002	0.08367	482881.	2974932.	02030224
	2003	0.11036	483730.	2974932.	03061824
	2004	0.08613	481957.	2972402.	04090324
	2005	0.09928	482581.	2974932.	05071024

All receptor computations reported with respect to a user-specified origin

GRID	0.00	0.00
DISCRETE	0.00	0.00

```
CO STARTING
   TITLEONE 2001 FPL ATCP GLADES  PM10 PROJECT WITH MATERIAL HANDLING 11/25/06
   TITLETWO 2001-2005 FT. MYERS/TAMPA
   MODELOPT DFAULT CONC
   AVERTIME 24 PERIOD
   POLLUTID PM
   RUNORNOT RUN
   EVENTFIL EVP2FUG.I01
CO FINISHED
**
**********************************
** AERMOD Source Pathway
**********************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **

** NEW BOILER UNITS
   LOCATION UNIT1&2 POINT 483041.000 2973720.000 6.096
** DESCRSRC Units 1 & 2 Stack

** COOLING TOWERS
   LOCATION CTN01 POINT 482557.600 2973230.300 6.096
** DESCRSRC CT North Cell 1
   LOCATION CTN02 POINT 482574.100 2973230.200 6.096
** DESCRSRC CT North Cell 2
   LOCATION CTN03 POINT 482590.500 2973230.200 6.096
** DESCRSRC CT North Cell3
   LOCATION CTN04 POINT 482607.000 2973230.200 6.096
** DESCRSRC CT North Cell4
   LOCATION CTN05 POINT 482623.500 2973230.200 6.096
** DESCRSRC CT North Cell5
   LOCATION CTN06 POINT 482639.900 2973230.200 6.096
** DESCRSRC CT North Cell6
   LOCATION CTN07 POINT 482656.400 2973230.200 6.096
** DESCRSRC CT North Cell7
   LOCATION CTN08 POINT 482672.900 2973230.200 6.096
** DESCRSRC CT North Cell8
   LOCATION CTN09 POINT 482689.300 2973230.200 6.096
** DESCRSRC CT North Cell9
   LOCATION CTN10 POINT 482705.800 2973230.200 6.096
** DESCRSRC CT North Cell10
   LOCATION CTN11 POINT 482722.200 2973230.200 6.096
** DESCRSRC CT North Cell11
   LOCATION CTN12 POINT 482738.700 2973230.200 6.096
** DESCRSRC CT North Cell12
   LOCATION CTN13 POINT 482755.200 2973230.200 6.096
** DESCRSRC CT North Cell13
   LOCATION CTN14 POINT 482771.600 2973230.200 6.096
** DESCRSRC CT North Cell14
   LOCATION CTN15 POINT 482788.100 2973230.200 6.096
** DESCRSRC CT North Cell15
   LOCATION CTN16 POINT 482804.600 2973230.200 6.096
** DESCRSRC CT North Cell16
   LOCATION CTS01 POINT 482568.330 2973048.700 6.096
** DESCRSRC CT South Cell 1
   LOCATION CTS02 POINT 482585.100 2973048.700 6.096
** DESCRSRC CT South Cell 2
   LOCATION CTS03 POINT 482601.500 2973048.700 6.096
** DESCRSRC CT South Cell 3
   LOCATION CTS04 POINT 482618.000 2973048.700 6.096
** DESCRSRC CT South Cell 4
   LOCATION CTS05 POINT 482634.500 2973048.700 6.096
** DESCRSRC CT South Cell 5
   LOCATION CTS06 POINT 482650.900 2973048.700 6.096
** DESCRSRC CT South Cell 6
   LOCATION CTS07 POINT 482667.400 2973048.700 6.096
** DESCRSRC CT South Cell 7
   LOCATION CTS08 POINT 482683.800 2973048.700 6.096
** DESCRSRC CT South Cell 8
   LOCATION CTS09 POINT 482700.300 2973048.700 6.096
** DESCRSRC CT South Cell 9
   LOCATION CTS10 POINT 482716.800 2973048.700 6.096
```

```
** DESCRSRC CT South Cell 10
   LOCATION CTS11 POINT 482733.200 2973048.700 6.096
** DESCRSRC CT South Cell 11
   LOCATION CTS12 POINT 482749.700 2973048.700 6.096
** DESCRSRC CT South Cell 12
   LOCATION CTS13 POINT 482766.200 2973048.700 6.096
** DESCRSRC CT South Cell 13
   LOCATION CTS14 POINT 482782.600 2973048.700 6.096
** DESCRSRC CT South Cell 14
   LOCATION CTS15 POINT 482799.100 2973048.700 6.096
** DESCRSRC CT South Cell 15
   LOCATION CTS16 POINT 482815.600 2973048.700 6.096
** DESCRSRC CT South Cell 16

** MATERIAL HANDLING/ EMISSION POINTS

   LOCATION EP45 POINT 482964.270 2973899.190 6.096
** DESCRSRC Railcar Unloading Vent
   LOCATION EP46 POINT 483175.660 2974018.100 6.096
** DESCRSRC Transfer Tower 1
   LOCATION EP47 POINT 483086.780 2974017.500 6.096
** DESCRSRC Transfer Tower No. 2
   LOCATION EP61 POINT 483148.700 2973736.530 6.096
** DESCRSRC Crusher Tower
   LOCATION EP61A&B POINT 483153.260 2973742.800 6.096
** DESCRSRC Crusher Tower 61A & 61B
   LOCATION EP52 POINT 482979.980 2973413.400 6.096
** DESCRSRC Tripper to Silos Unit 1
   LOCATION EP53 POINT 483102.800 2973413.400 6.096
** DESCRSRC Tripper to Silos Unit 2
   LOCATION EP65&66 POINT 483484.440 2974005.190 6.096
** DESCRSRC Limestone Day Bins
   LOCATION EP68 POINT 483358.590 2973907.380 6.096
** DESCRSRC Rail Bottom Dumper Hopper
   LOCATION EP7072A POINT 482975.620 2973842.180 6.096
** DESCRSRC Fly Ash Silos 70, 70A, 72, & 72A
   LOCATION EPREAG1 POINT 483275.000 2973370.000 6.096
** DESCRSRC Reagent Silo- Water treatment
   LOCATION EPREAG2 POINT 483162.000 2973463.000 6.096
** DESCRSRC Reagent Silo- Boiler


** MATERIAL HANDLING/ FUGITIVE EMISSIONS

** LOCATION AREA2 AREA 483154.070 2974059.230 6.096
** DESCRSRC Active Coal Pile
   LOCATION AREA2WE AREA 483154.070 2974059.230 6.096
** DESCRSRC Active Coal Pile WIND EROSION
   LOCATION AREA2TR AREA 483154.070 2974059.230 6.096
** DESCRSRC Active Coal Pile TRUCKS
   LOCATION AREA15 AREA 482964.810 2973885.600 6.096
** DESCRSRC Railcar Unloading
** LOCATION AREA9 AREA 482882.940 2974138.340 6.096
** DESCRSRC Inactive Coal Pile
   LOCATION AREA9WE AREA 482882.940 2974138.340 6.096
** DESCRSRC Inactive Coal Pile WIND EROSION
   LOCATION AREA9TR AREA 482882.940 2974138.340 6.096
** DESCRSRC Inactive Coal Pile TRUCKS
   LOCATION AREA19 AREA 483333.240 2973991.360 6.096
** DESCRSRC Limestone Active & Inactive Piles
   LOCATION FASILO AREA 482938.750 2973834.690 6.096
** DESCRSRC Fly Ash Silo Fugitives
   LOCATION BABLR1 AREA 482967.080 2973446.000 6.096
** DESCRSRC Boiler Bottom Ash Handling
   LOCATION BABLR2 AREA 483088.780 2973446.000 6.096
** DESCRSRC Boiler 2 Bottom Ash Handling
   LOCATION AREA27 AREA 482735.310 2973811.090 6.096
** DESCRSRC Bottom Ash for Resale
   LOCATION AREA26 AREA 483266.490 2973802.620 6.096
** DESCRSRC Gypsum Pile
** LOCATION BYPROD AREA 484127.800 2973841.490 6.096
** DESCRSRC By Product Storage Area
   LOCATION BYPRODWE AREA 484127.800 2973841.490 6.096
** DESCRSRC By Product Storage Area WIND EROSION
   LOCATION BYPRODTR AREA 484127.800 2973841.490 6.096
```

```
** DESCRSRC By Product Storage Area TRUCKS

** BYPRODUCT ROAD TRAFFIC
** Line Source represented by Separated Volume Sources
** ----------------------------------------------------------------------
** LINE Source ID = BYROAD
** DESCRSRC Byproduct Paved Road
** Length of Side = 12.19
** Emission Rate =
** Vertical Dimension = 6.10
** SZINIT = 2.84
** Nodes = 5
** 483061.59, 2973780.00, 6.10, 3.05, 0.0
** 483570.00, 2973780.00, 6.10, 3.05, 10.99
** 483570.00, 2973567.00, 6.10, 3.05, 11.01
** 485330.00, 2973567.00, 6.10, 3.05, 11.21
** 486000.00, 2973540.00, 6.10, 3.05, 11.14
** ----------------------------------------------------------------------
   LOCATION BYPRD01   VOLUME 483067.690 2973780.000 6.0960
   LOCATION BYPRD02   VOLUME 483091.319 2973780.000 6.0960
   LOCATION BYPRD03   VOLUME 483114.948 2973780.000 6.0960
   LOCATION BYPRD04   VOLUME 483138.577 2973780.000 6.0960
   LOCATION BYPRD05   VOLUME 483162.207 2973780.000 6.0960
   LOCATION BYPRD06   VOLUME 483185.836 2973780.000 6.0960
   LOCATION BYPRD07   VOLUME 483209.465 2973780.000 6.0960
   LOCATION BYPRD08   VOLUME 483233.094 2973780.000 6.0960
   LOCATION BYPRD09   VOLUME 483256.724 2973780.000 6.0960
   LOCATION BYPRD10   VOLUME 483280.353 2973780.000 6.0960
   LOCATION BYPRD11   VOLUME 483303.982 2973780.000 6.0960
   LOCATION BYPRD12   VOLUME 483327.611 2973780.000 6.0960
   LOCATION BYPRD13   VOLUME 483351.241 2973780.000 6.0960
   LOCATION BYPRD14   VOLUME 483374.870 2973780.000 6.0960
   LOCATION BYPRD15   VOLUME 483398.499 2973780.000 6.0960
   LOCATION BYPRD16   VOLUME 483422.128 2973780.000 6.0960
   LOCATION BYPRD17   VOLUME 483445.758 2973780.000 6.0960
   LOCATION BYPRD18   VOLUME 483469.387 2973780.000 6.0960
   LOCATION BYPRD19   VOLUME 483493.016 2973780.000 6.0960
   LOCATION BYPRD20   VOLUME 483516.645 2973780.000 6.0960
   LOCATION BYPRD21   VOLUME 483540.275 2973780.000 6.0960
   LOCATION BYPRD22   VOLUME 483563.904 2973780.000 6.0960
   LOCATION BYPRD23   VOLUME 483570.000 2973762.429 6.0960
   LOCATION BYPRD24   VOLUME 483570.000 2973738.763 6.0960
   LOCATION BYPRD25   VOLUME 483570.000 2973715.096 6.0960
   LOCATION BYPRD26   VOLUME 483570.000 2973691.429 6.0960
   LOCATION BYPRD27   VOLUME 483570.000 2973667.763 6.0960
   LOCATION BYPRD28   VOLUME 483570.000 2973644.096 6.0960
   LOCATION BYPRD29   VOLUME 483570.000 2973620.429 6.0960
   LOCATION BYPRD30   VOLUME 483570.000 2973596.763 6.0960
   LOCATION BYPRD31   VOLUME 483570.000 2973573.096 6.0960
   LOCATION BYPRD32   VOLUME 483588.014 2973567.000 6.0960
   LOCATION BYPRD33   VOLUME 483612.123 2973567.000 6.0960
   LOCATION BYPRD34   VOLUME 483636.233 2973567.000 6.0960
   LOCATION BYPRD35   VOLUME 483660.342 2973567.000 6.0960
   LOCATION BYPRD36   VOLUME 483684.452 2973567.000 6.0960
   LOCATION BYPRD37   VOLUME 483708.562 2973567.000 6.0960
   LOCATION BYPRD38   VOLUME 483732.671 2973567.000 6.0960
   LOCATION BYPRD39   VOLUME 483756.781 2973567.000 6.0960
   LOCATION BYPRD40   VOLUME 483780.890 2973567.000 6.0960
   LOCATION BYPRD41   VOLUME 483805.000 2973567.000 6.0960
   LOCATION BYPRD42   VOLUME 483829.109 2973567.000 6.0960
   LOCATION BYPRD43   VOLUME 483853.219 2973567.000 6.0960
   LOCATION BYPRD44   VOLUME 483877.329 2973567.000 6.0960
   LOCATION BYPRD45   VOLUME 483901.438 2973567.000 6.0960
   LOCATION BYPRD46   VOLUME 483925.548 2973567.000 6.0960
   LOCATION BYPRD47   VOLUME 483949.657 2973567.000 6.0960
   LOCATION BYPRD48   VOLUME 483973.767 2973567.000 6.0960
   LOCATION BYPRD49   VOLUME 483997.877 2973567.000 6.0960
   LOCATION BYPRD50   VOLUME 484021.986 2973567.000 6.0960
   LOCATION BYPRD51   VOLUME 484046.096 2973567.000 6.0960
   LOCATION BYPRD52   VOLUME 484070.205 2973567.000 6.0960
   LOCATION BYPRD53   VOLUME 484094.315 2973567.000 6.0960
   LOCATION BYPRD54   VOLUME 484118.425 2973567.000 6.0960
   LOCATION BYPRD55   VOLUME 484142.534 2973567.000 6.0960
   LOCATION BYPRD56   VOLUME 484166.644 2973567.000 6.0960
   LOCATION BYPRD57   VOLUME 484190.753 2973567.000 6.0960
```

```
 LOCATION BYPRD58    VOLUME 484214.863 2973567.000 6.0960
 LOCATION BYPRD59    VOLUME 484238.973 2973567.000 6.0960
 LOCATION BYPRD60    VOLUME 484263.082 2973567.000 6.0960
 LOCATION BYPRD61    VOLUME 484287.192 2973567.000 6.0960
 LOCATION BYPRD62    VOLUME 484311.302 2973567.000 6.0960
 LOCATION BYPRD63    VOLUME 484335.411 2973567.000 6.0960
 LOCATION BYPRD64    VOLUME 484359.521 2973567.000 6.0960
 LOCATION BYPRD65    VOLUME 484383.630 2973567.000 6.0960
 LOCATION BYPRD66    VOLUME 484407.740 2973567.000 6.0960
 LOCATION BYPRD67    VOLUME 484431.850 2973567.000 6.0960
 LOCATION BYPRD68    VOLUME 484455.959 2973567.000 6.0960
 LOCATION BYPRD69    VOLUME 484480.069 2973567.000 6.0960
 LOCATION BYPRD70    VOLUME 484504.178 2973567.000 6.0960
 LOCATION BYPRD71    VOLUME 484528.288 2973567.000 6.0960
 LOCATION BYPRD72    VOLUME 484552.398 2973567.000 6.0960
 LOCATION BYPRD73    VOLUME 484576.507 2973567.000 6.0960
 LOCATION BYPRD74    VOLUME 484600.617 2973567.000 6.0960
 LOCATION BYPRD75    VOLUME 484624.727 2973567.000 6.0960
 LOCATION BYPRD76    VOLUME 484648.836 2973567.000 6.0960
 LOCATION BYPRD77    VOLUME 484672.946 2973567.000 6.0960
 LOCATION BYPRD78    VOLUME 484697.055 2973567.000 6.0960
 LOCATION BYPRD79    VOLUME 484721.165 2973567.000 6.0960
 LOCATION BYPRD80    VOLUME 484745.275 2973567.000 6.0960
 LOCATION BYPRD81    VOLUME 484769.384 2973567.000 6.0960
 LOCATION BYPRD82    VOLUME 484793.494 2973567.000 6.0960
 LOCATION BYPRD83    VOLUME 484817.604 2973567.000 6.0960
 LOCATION BYPRD84    VOLUME 484841.713 2973567.000 6.0960
 LOCATION BYPRD85    VOLUME 484865.823 2973567.000 6.0960
 LOCATION BYPRD86    VOLUME 484889.932 2973567.000 6.0960
 LOCATION BYPRD87    VOLUME 484914.042 2973567.000 6.0960
 LOCATION BYPRD88    VOLUME 484938.152 2973567.000 6.0960
 LOCATION BYPRD89    VOLUME 484962.261 2973567.000 6.0960
 LOCATION BYPRD90    VOLUME 484986.371 2973567.000 6.0960
 LOCATION BYPRD91    VOLUME 485010.480 2973567.000 6.0960
 LOCATION BYPRD92    VOLUME 485034.590 2973567.000 6.0960
 LOCATION BYPRD93    VOLUME 485058.700 2973567.000 6.0960
 LOCATION BYPRD94    VOLUME 485082.809 2973567.000 6.0960
 LOCATION BYPRD95    VOLUME 485106.919 2973567.000 6.0960
 LOCATION BYPRD96    VOLUME 485131.029 2973567.000 6.0960
 LOCATION BYPRD97    VOLUME 485155.138 2973567.000 6.0960
 LOCATION BYPRD98    VOLUME 485179.248 2973567.000 6.0960
 LOCATION BYPRD99    VOLUME 485203.357 2973567.000 6.0960
 LOCATION BYPRD100   VOLUME 485227.467 2973567.000 6.0960
 LOCATION BYPRD101   VOLUME 485251.577 2973567.000 6.0960
 LOCATION BYPRD102   VOLUME 485275.686 2973567.000 6.0960
 LOCATION BYPRD103   VOLUME 485299.796 2973567.000 6.0960
 LOCATION BYPRD104   VOLUME 485323.906 2973567.000 6.0960
 LOCATION BYPRD105   VOLUME 485347.838 2973566.281 6.0960
 LOCATION BYPRD106   VOLUME 485371.766 2973565.317 6.0960
 LOCATION BYPRD107   VOLUME 485395.695 2973564.353 6.0960
 LOCATION BYPRD108   VOLUME 485419.623 2973563.388 6.0960
 LOCATION BYPRD109   VOLUME 485443.552 2973562.424 6.0960
 LOCATION BYPRD110   VOLUME 485467.480 2973561.460 6.0960
 LOCATION BYPRD111   VOLUME 485491.409 2973560.495 6.0960
 LOCATION BYPRD112   VOLUME 485515.338 2973559.531 6.0960
 LOCATION BYPRD113   VOLUME 485539.266 2973558.567 6.0960
 LOCATION BYPRD114   VOLUME 485563.195 2973557.603 6.0960
 LOCATION BYPRD115   VOLUME 485587.123 2973556.638 6.0960
 LOCATION BYPRD116   VOLUME 485611.052 2973555.674 6.0960
 LOCATION BYPRD117   VOLUME 485634.980 2973554.710 6.0960
 LOCATION BYPRD118   VOLUME 485658.909 2973553.745 6.0960
 LOCATION BYPRD119   VOLUME 485682.838 2973552.781 6.0960
 LOCATION BYPRD120   VOLUME 485706.766 2973551.817 6.0960
 LOCATION BYPRD121   VOLUME 485730.695 2973550.853 6.0960
 LOCATION BYPRD122   VOLUME 485754.623 2973549.888 6.0960
 LOCATION BYPRD123   VOLUME 485778.552 2973548.924 6.0960
 LOCATION BYPRD124   VOLUME 485802.480 2973547.960 6.0960
 LOCATION BYPRD125   VOLUME 485826.409 2973546.995 6.0960
 LOCATION BYPRD126   VOLUME 485850.338 2973546.031 6.0960
 LOCATION BYPRD127   VOLUME 485874.266 2973545.067 6.0960
 LOCATION BYPRD128   VOLUME 485898.195 2973544.103 6.0960
 LOCATION BYPRD129   VOLUME 485922.123 2973543.138 6.0960
 LOCATION BYPRD130   VOLUME 485946.052 2973542.174 6.0960
 LOCATION BYPRD131   VOLUME 485969.980 2973541.210 6.0960
 LOCATION BYPRD132   VOLUME 485993.909 2973540.245 6.0960
```

```
   LOCATION BYPRD133  VOLUME 486017.838 2973540.245 6.0960
   LOCATION BYPRD134  VOLUME 486041.767 2973540.245 6.0960
   LOCATION BYPRD135  VOLUME 486065.696 2973540.245 6.0960

** End of Line Source

** Source Parameters **

   SRCPARAM UNIT1&2  44.9  152.4  330.0  16.8  12.9

   SRCPARAM CTN01 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTN02 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTN03 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTN04 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTN05 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTN06 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTN07 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTN08 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTN09 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTN10 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTN11 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTN12 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTN13 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTN14 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTN15 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTN16 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS01 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS02 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS03 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS04 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS05 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS06 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS07 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS08 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS09 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS10 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS11 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS12 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS13 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS14 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS15 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS16 0.0139 18.29 309 7.13 15.1

   SRCPARAM EP45     0.0044  3.048  255.928 7.28000 1.219
   SRCPARAM EP46     0.0022  30.480 255.928 4.53000 0.610
   SRCPARAM EP47     0.0000  21.336 255.928 6.07000 0.610
   SRCPARAM EP61     0.0021  39.624 255.928 2.88000 0.457
   SRCPARAM EP61A&B  0.0056  39.624 255.928 6.07000 1.219
   SRCPARAM EP52     0.0478  76.200 255.928 9.30000 1.219
   SRCPARAM EP53     0.0478  76.200 255.928 9.30000 1.219
   SRCPARAM EP65&66  0.00308 42.672 255.928 2.88000 0.457
   SRCPARAM EP68     0.0012  3.048  255.928 4.85000 0.610
   SRCPARAM EP7072A  0.0324  32.004 255.928 4.85000 0.610
   SRCPARAM EPREAG1  0.0018 15.240 255.928 2.880   0.457
   SRCPARAM EPREAG2  0.0018 15.240 255.928 2.880   0.457

**   SRCPARAM AREA2    4.20E-06 21.82  45.720 347.472 0.000
   SRCPARAM AREA2WE    2.91E-06 21.82  45.720 347.472 0.000
   SRCPARAM AREA2TR    1.29E-06 21.82  45.720 347.472 0.000
   SRCPARAM AREA15   8.43E-06 3.048 45.720 15.240 0.000
**   SRCPARAM AREA9    2.43E-07 21.82  243.840 365.760 0.000
   SRCPARAM AREA9WE    1.40E-07 21.82  243.840 365.760 0.000
   SRCPARAM AREA9TR    1.03E-07 21.82  243.840 365.760 0.000
   SRCPARAM AREA19   5.11E-06 15.24  50.292 118.872 0.000
   SRCPARAM FASILO   2.66E-06 3.048 74.676 15.240 0.000
   SRCPARAM BABLR1   5.69E-06 3.048 25.603 6.706 0.000
   SRCPARAM BABLR2   5.69E-06 3.048 25.603 6.706 0.000
   SRCPARAM AREA27   1.37E-06 4.57  97.536 30.480 0.000
   SRCPARAM AREA26   2.25E-06 4.57  59.436 51.816 0.000
**   SRCPARAM BYPROD  3.11E-08 18.288 1554.88 945.12 0.000
   SRCPARAM BYPRODWE  2.38E-08 18.288 1554.88 945.12 0.000
   SRCPARAM BYPRODTR  8.85E-09 18.288 1554.88 945.12 0.000


   SRCPARAM BYPRD01    0.000791 3.05 10.99 2.84
```

```
SRCPARAM BYPRD02   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD03   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD04   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD05   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD06   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD07   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD08   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD09   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD10   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD11   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD12   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD13   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD14   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD15   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD16   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD17   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD18   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD19   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD20   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD21   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD22   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD23   0.000791 3.05 11.01 2.84
SRCPARAM BYPRD24   0.000791 3.05 11.01 2.84
SRCPARAM BYPRD25   0.000791 3.05 11.01 2.84
SRCPARAM BYPRD26   0.000791 3.05 11.01 2.84
SRCPARAM BYPRD27   0.000791 3.05 11.01 2.84
SRCPARAM BYPRD28   0.000791 3.05 11.01 2.84
SRCPARAM BYPRD29   0.000791 3.05 11.01 2.84
SRCPARAM BYPRD30   0.000791 3.05 11.01 2.84
SRCPARAM BYPRD31   0.000791 3.05 11.01 2.84
SRCPARAM BYPRD32   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD33   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD34   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD35   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD36   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD37   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD38   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD39   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD40   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD41   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD42   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD43   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD44   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD45   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD46   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD47   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD48   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD49   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD50   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD51   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD52   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD53   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD54   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD55   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD56   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD57   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD58   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD59   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD60   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD61   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD62   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD63   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD64   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD65   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD66   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD67   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD68   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD69   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD70   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD71   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD72   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD73   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD74   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD75   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD76   0.000791 3.05 11.21 2.84
```

```
SRCPARAM BYPRD77   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD78   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD79   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD80   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD81   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD82   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD83   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD84   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD85   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD86   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD87   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD88   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD89   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD90   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD91   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD92   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD93   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD94   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD95   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD96   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD97   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD98   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD99   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD100  0.000791 3.05 11.21 2.84
SRCPARAM BYPRD101  0.000791 3.05 11.21 2.84
SRCPARAM BYPRD102  0.000791 3.05 11.21 2.84
SRCPARAM BYPRD103  0.000791 3.05 11.21 2.84
SRCPARAM BYPRD104  0.000791 3.05 11.21 2.84
SRCPARAM BYPRD105  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD106  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD107  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD108  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD109  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD110  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD111  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD112  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD113  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD114  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD115  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD116  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD117  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD118  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD119  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD120  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD121  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD122  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD123  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD124  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD125  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD126  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD127  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD128  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD129  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD130  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD131  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD132  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD133  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD134  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD135  0.000791 3.05 11.14 2.84

** Building Downwash **
SO BUILDHGT UNIT1&2    62.48   62.48   43.13   43.13   43.13   23.01
SO BUILDHGT UNIT1&2    23.01   23.01    0.00   23.01   23.01   30.48
SO BUILDHGT UNIT1&2    30.48   30.48   28.96   28.96   28.96    0.00
SO BUILDHGT UNIT1&2     0.00    0.00    0.00   23.01   23.01   23.01
SO BUILDHGT UNIT1&2    23.01   23.01    0.00   23.01   23.01   23.01
SO BUILDHGT UNIT1&2    43.13   43.13   43.13   62.48   62.48   62.48
SO BUILDWID UNIT1&2    63.03   78.78   28.73   29.63   29.63   42.66
SO BUILDWID UNIT1&2    35.53   27.33    0.00   27.33   35.53   70.08
SO BUILDWID UNIT1&2    74.22   76.10   72.28   75.38   76.18    0.00
SO BUILDWID UNIT1&2     0.00    0.00    0.00   52.85   48.49   42.66
SO BUILDWID UNIT1&2    35.53   27.33    0.00   27.33   35.53   42.66
SO BUILDWID UNIT1&2    29.63   29.63   28.73   78.36   63.03   62.50
SO BUILDLEN UNIT1&2    19.26  103.48   28.73   29.63   29.63   55.60
```

```
SO BUILDLEN UNIT1&2   56.66   56.01    0.00   56.01   56.66   75.68
SO BUILDLEN UNIT1&2   76.10   74.22   50.53   39.86   27.97    0.00
SO BUILDLEN UNIT1&2    0.00    0.00    0.00   48.49   52.85   55.60
SO BUILDLEN UNIT1&2   56.66   56.01    0.00   56.01   56.66   55.60
SO BUILDLEN UNIT1&2   29.63   29.63   28.73  103.84   19.26    8.53
SO XBADJ    UNIT1&2 -322.10 -323.62 -108.27 -110.16 -108.71  -93.10
SO XBADJ    UNIT1&2  -94.31  -92.65    0.00   35.85   36.88 -215.04
SO XBADJ    UNIT1&2 -215.69 -209.79 -163.61 -157.03 -145.69    0.00
SO XBADJ    UNIT1&2    0.00    0.00    0.00   33.82   36.21   37.50
SO XBADJ    UNIT1&2   37.64   36.65    0.00  -91.86  -93.55  -92.40
SO XBADJ    UNIT1&2 -108.20 -109.73 -107.93 -323.77 -322.28 -310.80
SO YBADJ    UNIT1&2    6.89  -38.91   16.55   -0.01  -16.56    9.62
SO YBADJ    UNIT1&2   -1.86  -13.29    0.00  -13.43   -2.14   18.03
SO YBADJ    UNIT1&2  -13.01  -43.66    4.97  -19.13  -42.65    0.00
SO YBADJ    UNIT1&2    0.00    0.00    0.00  -31.37  -20.81   -9.62
SO YBADJ    UNIT1&2    1.86   13.29    0.00   13.43    2.14   -9.22
SO YBADJ    UNIT1&2   16.99    0.52  -15.97   39.28   -6.76   61.04

SO BUILDHGT CTN01     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN01     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN01     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN01     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN01     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN01     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTN01    264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN01    120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN01    194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTN01    264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN01    120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN01    194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTN01     78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN01    258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN01    222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTN01     78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN01    258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN01    222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTN01    -16.61  -17.30  -17.47  -17.10  -16.21  -14.83
SO XBADJ    CTN01    -13.00  -10.77   -8.22  -11.14  -13.71  -15.87
SO XBADJ    CTN01    -17.55  -18.69  -19.26  -19.25  -18.66  -17.50
SO XBADJ    CTN01    -61.48 -103.60 -142.56 -177.20 -206.45 -229.43
SO XBADJ    CTN01   -245.44 -253.99 -254.82 -253.63 -244.73 -228.39
SO XBADJ    CTN01   -205.12 -175.61 -140.76 -101.64  -59.44  -15.42
SO YBADJ    CTN01   -121.25 -115.51 -106.26  -93.78  -78.46  -60.75
SO YBADJ    CTN01    -41.19  -20.39    1.04   22.43   43.15   62.55
SO YBADJ    CTN01     80.05   95.12  107.30  116.22  121.61  123.30
SO YBADJ    CTN01    121.25  115.51  106.26   93.78   78.46   60.75
SO YBADJ    CTN01     41.19   20.39   -1.04  -22.43  -43.15  -62.55
SO YBADJ    CTN01    -80.05  -95.12 -107.30 -116.22 -121.61 -123.30

SO BUILDHGT CTN02     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN02     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN02     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN02     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN02     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN02     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTN02    264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN02    120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN02    194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTN02    264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN02    120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN02    194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTN02     78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN02    258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN02    222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTN02     78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN02    258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN02    222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTN02    -19.38  -22.85  -25.63  -27.63  -28.79  -29.07
SO XBADJ    CTN02    -28.47  -27.01  -24.72  -27.40  -29.25  -30.21
SO XBADJ    CTN02    -30.25  -29.37  -27.60  -24.99  -21.62  -17.60
SO XBADJ    CTN02    -58.71  -98.05 -134.40 -166.67 -193.88 -215.19
SO XBADJ    CTN02   -229.97 -237.76 -238.32 -237.36 -229.19 -214.05
SO XBADJ    CTN02   -192.41 -164.93 -132.43  -95.91  -56.47  -15.32
```

```
SO YBADJ     CTN02    -104.98  -99.97  -91.92  -81.08  -67.78  -52.41
SO YBADJ     CTN02     -35.46  -17.42    1.14   19.67   37.60   54.39
SO YBADJ     CTN02      69.52   82.54   93.06  100.75  105.37  106.80
SO YBADJ     CTN02     104.98   99.97   91.92   81.08   67.78   52.41
SO YBADJ     CTN02      35.46   17.42   -1.14  -19.67  -37.60  -54.39
SO YBADJ     CTN02     -69.52  -82.54  -93.06 -100.75 -105.37 -106.80

SO BUILDHGT CTN03       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN03       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN03       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN03       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN03       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN03       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTN03      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN03      120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN03      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTN03      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN03      120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN03      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTN03       78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN03      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN03      222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTN03       78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN03      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN03      222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ     CTN03     -22.23  -28.46  -33.83  -38.17  -41.35  -43.27
SO XBADJ     CTN03     -43.88  -43.16  -41.12  -43.55  -44.66  -44.41
SO XBADJ     CTN03     -42.81  -39.91  -35.80  -30.60  -24.47  -17.60
SO XBADJ     CTN03     -55.87  -92.44 -126.20 -156.13 -181.31 -200.99
SO XBADJ     CTN03    -214.56 -221.60 -221.92 -221.21 -213.78 -199.85
SO XBADJ     CTN03    -179.85 -154.38 -124.23  -90.30  -53.62  -15.32
SO YBADJ     CTN03     -88.83  -84.56  -77.72  -68.52  -57.24  -44.21
SO YBADJ     CTN03     -29.85  -14.58    1.14   16.82   31.99   46.19
SO YBADJ     CTN03      58.98   69.98   78.86   85.34   89.22   90.40
SO YBADJ     CTN03      88.83   84.56   77.72   68.52   57.24   44.21
SO YBADJ     CTN03      29.85   14.58   -1.14  -16.82  -31.99  -46.19
SO YBADJ     CTN03     -58.98  -69.98  -78.86  -85.34  -89.22  -90.40

SO BUILDHGT CTN04       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN04       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN04       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN04       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN04       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN04       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTN04      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN04      120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN04      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTN04      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN04      120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN04      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTN04       78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN04      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN04      222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTN04       78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN04      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN04      222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ     CTN04     -25.09  -34.10  -42.08  -48.78  -53.99  -57.56
SO XBADJ     CTN04     -59.39  -59.41  -57.62  -59.80  -60.17  -58.70
SO XBADJ     CTN04     -55.45  -50.52  -44.05  -36.24  -27.34  -17.60
SO XBADJ     CTN04     -53.00  -86.79 -117.95 -145.52 -168.67 -186.70
SO XBADJ     CTN04    -199.05 -205.36 -205.42 -204.96 -198.27 -185.56
SO XBADJ     CTN04    -167.21 -143.78 -115.98  -84.65  -50.76  -15.32
SO YBADJ     CTN04     -72.58  -69.05  -63.43  -55.88  -46.63  -35.96
SO YBADJ     CTN04     -24.21  -11.71    1.14   13.95   26.34   37.94
SO YBADJ     CTN04      48.37   57.34   64.57   69.83   72.97   73.90
SO YBADJ     CTN04      72.58   69.05   63.43   55.88   46.63   35.96
SO YBADJ     CTN04      24.21   11.71   -1.14  -13.95  -26.34  -37.94
SO YBADJ     CTN04     -48.37  -57.34  -64.57  -69.83  -72.97  -73.90

SO BUILDHGT CTN05       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN05       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN05       15.24   15.24   15.24   15.24   15.24   15.24
```

```
SO BUILDHGT CTN05      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN05      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN05      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTN05     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN05     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN05     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTN05     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN05     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN05     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTN05      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN05     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN05     222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTN05      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN05     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN05     222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTN05     -27.96  -39.75  -50.33  -59.38  -66.63  -71.85
SO XBADJ    CTN05     -74.89  -75.66  -74.12  -76.05  -75.67  -72.99
SO XBADJ    CTN05     -68.09  -61.13  -52.30  -41.89  -30.20  -17.60
SO XBADJ    CTN05     -50.14  -81.15 -109.70 -134.92 -156.03 -172.41
SO XBADJ    CTN05    -183.55 -189.11 -188.92 -188.71 -182.77 -171.27
SO XBADJ    CTN05    -154.57 -133.17 -107.73  -79.01  -47.89  -15.32
SO YBADJ    CTN05     -56.33  -53.55  -49.14  -43.24  -36.02  -27.71
SO YBADJ    CTN05     -18.56   -8.85    1.14   11.09   20.70   29.69
SO YBADJ    CTN05      37.77   44.70   50.28   54.33   56.72   57.40
SO YBADJ    CTN05      56.33   53.55   49.14   43.24   36.02   27.71
SO YBADJ    CTN05      18.56    8.85   -1.14  -11.09  -20.70  -29.69
SO YBADJ    CTN05     -37.77  -44.70  -50.28  -54.33  -56.72  -57.40

SO BUILDHGT CTN06      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN06      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN06      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN06      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN06      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN06      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTN06     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN06     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN06     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTN06     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN06     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN06     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTN06      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN06     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN06     222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTN06      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN06     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN06     222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTN06     -30.81  -45.36  -58.53  -69.92  -79.19  -86.05
SO XBADJ    CTN06     -90.30  -91.81  -90.52  -92.20  -91.08  -87.19
SO XBADJ    CTN06     -80.66  -71.67  -60.50  -47.50  -33.05  -17.60
SO XBADJ    CTN06     -47.29  -75.54 -101.50 -124.37 -143.47 -158.21
SO XBADJ    CTN06    -168.13 -172.95 -172.52 -172.56 -167.36 -157.07
SO XBADJ    CTN06    -142.01 -122.63  -99.53  -73.40  -45.05  -15.32
SO YBADJ    CTN06     -40.18  -38.14  -34.94  -30.68  -25.48  -19.51
SO YBADJ    CTN06     -12.95   -6.00    1.14    8.24   15.09   21.49
SO YBADJ    CTN06      27.23   32.14   36.08   38.92   40.57   41.00
SO YBADJ    CTN06      40.18   38.14   34.94   30.68   25.48   19.51
SO YBADJ    CTN06      12.95    6.00   -1.14   -8.24  -15.09  -21.49
SO YBADJ    CTN06     -27.23  -32.14  -36.08  -38.92  -40.57  -41.00

SO BUILDHGT CTN07      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN07      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN07      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN07      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN07      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN07      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTN07     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN07     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN07     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTN07     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN07     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN07     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTN07      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN07     258.44  264.76  263.04  264.76  258.44  244.26
```

```
SO BUILDLEN CTN07     222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTN07      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN07     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN07     222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTN07     -33.67  -51.00  -66.78  -80.53  -91.83 -100.34
SO XBADJ    CTN07    -105.81 -108.06 -107.02 -108.45 -106.59 -101.48
SO XBADJ    CTN07     -93.30  -82.27  -68.75  -53.14  -35.91  -17.60
SO XBADJ    CTN07     -44.42  -69.90  -93.25 -113.77 -130.83 -143.92
SO XBADJ    CTN07    -152.63 -156.71 -156.02 -156.31 -151.85 -142.78
SO XBADJ    CTN07    -129.37 -112.02  -91.28  -67.76  -42.18  -15.32
SO YBADJ    CTN07     -23.93  -22.63  -20.65  -18.04  -14.88  -11.26
SO YBADJ    CTN07      -7.31   -3.13    1.14    5.38    9.45   13.24
SO YBADJ    CTN07      16.62   19.50   21.79   23.41   24.32   24.50
SO YBADJ    CTN07      23.93   22.63   20.65   18.04   14.88   11.26
SO YBADJ    CTN07       7.31    3.13   -1.14   -5.38   -9.45  -13.24
SO YBADJ    CTN07     -16.62  -19.50  -21.79  -23.41  -24.32  -24.50

SO BUILDHGT CTN08      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN08      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN08      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN08      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN08      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN08      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTN08     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN08     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN08     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTN08     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN08     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN08     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTN08      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN08     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN08     222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTN08      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN08     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN08     222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTN08     -36.54  -56.64  -75.03  -91.13 -104.47 -114.63
SO XBADJ    CTN08    -121.31 -124.31 -123.52 -124.70 -122.09 -115.77
SO XBADJ    CTN08    -105.94  -92.88  -77.00  -58.78  -38.78  -17.60
SO XBADJ    CTN08     -41.56  -64.26  -85.00 -103.16 -118.19 -129.63
SO XBADJ    CTN08    -137.12 -140.46 -139.52 -140.06 -136.35 -128.49
SO XBADJ    CTN08    -116.73 -101.42  -83.03  -62.12  -39.32  -15.32
SO YBADJ    CTN08      -7.68   -7.13   -6.36   -5.40   -4.27   -3.01
SO YBADJ    CTN08      -1.67   -0.27    1.14    2.51    3.81    4.99
SO YBADJ    CTN08       6.01    6.86    7.50    7.91    8.08    8.00
SO YBADJ    CTN08       7.68    7.13    6.36    5.40    4.27    3.01
SO YBADJ    CTN08       1.67    0.27   -1.14   -2.51   -3.81   -4.99
SO YBADJ    CTN08      -6.01   -6.86   -7.50   -7.91   -8.08   -8.00

SO BUILDHGT CTN09      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN09      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN09      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN09      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN09      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN09      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTN09     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN09     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN09     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTN09     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN09     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN09     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTN09      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN09     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN09     222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTN09      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN09     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN09     222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTN09     -39.39  -62.25  -83.23 -101.68 -117.03 -128.84
SO XBADJ    CTN09    -136.72 -140.46 -139.92 -140.85 -137.50 -129.97
SO XBADJ    CTN09    -118.50 -103.42  -85.20  -64.39  -41.63  -17.60
SO XBADJ    CTN09     -38.71  -58.65  -76.80  -92.62 -105.63 -115.42
SO XBADJ    CTN09    -121.71 -124.31 -123.12 -123.91 -120.94 -114.29
SO XBADJ    CTN09    -104.16  -90.88  -74.83  -56.51  -36.47  -15.32
SO YBADJ    CTN09       8.47    8.28    7.84    7.17    6.27    5.19
```

SO	YBADJ	CTN09	3.94	2.58	1.14	-0.34	-1.80	-3.21
SO	YBADJ	CTN09	-4.53	-5.70	-6.71	-7.50	-8.08	-8.40
SO	YBADJ	CTN09	-8.47	-8.28	-7.84	-7.17	-6.27	-5.19
SO	YBADJ	CTN09	-3.94	-2.58	-1.14	0.34	1.80	3.21
SO	YBADJ	CTN09	4.53	5.70	6.71	7.50	8.08	8.40
SO	BUILDHGT	CTN10	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN10	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN10	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN10	15.24	15.24	15.24	62.48	62.48	62.48
SO	BUILDHGT	CTN10	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN10	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDWID	CTN10	264.76	258.44	244.26	222.66	194.30	160.03
SO	BUILDWID	CTN10	120.90	78.10	32.92	78.10	120.90	160.03
SO	BUILDWID	CTN10	194.30	222.66	244.26	258.44	264.76	263.04
SO	BUILDWID	CTN10	264.76	258.44	244.26	97.69	76.69	76.66
SO	BUILDWID	CTN10	120.90	78.10	32.92	78.10	120.90	160.03
SO	BUILDWID	CTN10	194.30	222.66	244.26	258.44	264.76	263.04
SO	BUILDLEN	CTN10	78.10	120.90	160.03	194.30	222.66	244.26
SO	BUILDLEN	CTN10	258.44	264.76	263.04	264.76	258.44	244.26
SO	BUILDLEN	CTN10	222.66	194.30	160.03	120.90	78.10	32.92
SO	BUILDLEN	CTN10	78.10	120.90	160.03	102.53	74.04	69.44
SO	BUILDLEN	CTN10	258.44	264.76	263.04	264.76	258.44	244.26
SO	BUILDLEN	CTN10	222.66	194.30	160.03	120.90	78.10	32.92
SO	XBADJ	CTN10	-42.25	-67.90	-91.48	-112.28	-129.67	-143.13
SO	XBADJ	CTN10	-152.23	-156.71	-156.42	-157.10	-153.01	-144.26
SO	XBADJ	CTN10	-131.14	-114.03	-93.45	-70.04	-44.49	-17.60
SO	XBADJ	CTN10	-35.85	-53.00	-68.55	-395.79	-375.18	-369.30
SO	XBADJ	CTN10	-106.21	-108.06	-106.62	-107.66	-105.43	-100.00
SO	XBADJ	CTN10	-91.52	-80.27	-66.58	-50.86	-33.60	-15.32
SO	YBADJ	CTN10	24.72	23.79	22.13	19.81	16.88	13.44
SO	YBADJ	CTN10	9.59	5.45	1.14	-3.20	-7.45	-11.46
SO	YBADJ	CTN10	-15.13	-18.34	-21.00	-23.01	-24.33	-24.90
SO	YBADJ	CTN10	-24.72	-23.79	-22.13	70.05	20.84	-40.65
SO	YBADJ	CTN10	-9.59	-5.45	-1.14	3.20	7.45	11.46
SO	YBADJ	CTN10	15.13	18.34	21.00	23.01	24.32	24.90
SO	BUILDHGT	CTN11	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN11	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN11	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN11	15.24	15.24	15.24	63.09	63.09	62.48
SO	BUILDHGT	CTN11	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN11	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDWID	CTN11	264.76	258.44	244.26	222.66	194.30	160.03
SO	BUILDWID	CTN11	120.90	78.10	32.92	78.10	120.90	160.03
SO	BUILDWID	CTN11	194.30	222.66	244.26	258.44	264.76	263.04
SO	BUILDWID	CTN11	264.76	258.44	244.26	71.91	77.14	76.66
SO	BUILDWID	CTN11	120.90	78.10	32.92	78.10	120.90	160.03
SO	BUILDWID	CTN11	194.30	222.66	244.26	258.44	264.76	263.04
SO	BUILDLEN	CTN11	78.10	120.90	160.03	194.30	222.66	244.26
SO	BUILDLEN	CTN11	258.44	264.76	263.04	264.76	258.44	244.26
SO	BUILDLEN	CTN11	222.66	194.30	160.03	120.90	78.10	32.92
SO	BUILDLEN	CTN11	78.10	120.90	160.03	77.14	71.91	69.44
SO	BUILDLEN	CTN11	258.44	264.76	263.04	264.76	258.44	244.26
SO	BUILDLEN	CTN11	222.66	194.30	160.03	120.90	78.10	32.92
SO	XBADJ	CTN11	-45.10	-73.51	-99.68	-122.82	-142.24	-157.33
SO	XBADJ	CTN11	-167.64	-172.86	-172.82	-173.25	-168.42	-158.47
SO	XBADJ	CTN11	-143.70	-124.57	-101.65	-75.65	-47.34	-17.60
SO	XBADJ	CTN11	-33.00	-47.39	-60.35	-385.25	-385.92	-355.10
SO	XBADJ	CTN11	-90.80	-91.91	-90.22	-91.51	-90.02	-85.79
SO	XBADJ	CTN11	-78.96	-69.73	-58.38	-45.25	-30.75	-15.32
SO	YBADJ	CTN11	40.87	39.20	36.34	32.37	27.42	21.64
SO	YBADJ	CTN11	15.20	8.29	1.14	-6.05	-13.06	-19.66
SO	YBADJ	CTN11	-25.68	-30.91	-35.20	-38.42	-40.48	-41.30
SO	YBADJ	CTN11	-40.87	-39.20	-36.34	44.60	-15.60	-48.85
SO	YBADJ	CTN11	-15.20	-8.29	-1.14	6.05	13.06	19.66
SO	YBADJ	CTN11	25.68	30.91	35.20	38.42	40.48	41.30
SO	BUILDHGT	CTN12	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN12	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN12	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN12	15.24	15.24	15.24	63.09	63.09	62.48

```
SO BUILDHGT CTN12      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN12      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTN12     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN12     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN12     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTN12     264.76  258.44  244.26   71.91   77.14   76.66
SO BUILDWID CTN12     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN12     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTN12      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN12     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN12     222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTN12      78.10  120.90  160.03   77.14   71.91   69.44
SO BUILDLEN CTN12     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN12     222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTN12     -47.96  -79.15 -107.93 -133.43 -154.88 -171.62
SO XBADJ    CTN12    -183.14 -189.11 -189.32 -189.50 -183.92 -172.76
SO XBADJ    CTN12    -156.34 -135.17 -109.90  -81.29  -50.21  -17.60
SO XBADJ    CTN12     -30.13  -41.75  -52.10 -374.64 -373.29 -340.81
SO XBADJ    CTN12     -75.29  -75.66  -73.72  -75.26  -74.51  -71.50
SO XBADJ    CTN12     -66.32  -59.12  -50.13  -39.61  -27.89  -15.32
SO YBADJ    CTN12      57.12   54.70   50.63   45.01   38.03   29.89
SO YBADJ    CTN12      20.84   11.16    1.14   -8.92  -18.70  -27.91
SO YBADJ    CTN12     -36.28  -43.55  -49.49  -53.93  -56.73  -57.80
SO YBADJ    CTN12     -57.12  -54.70  -50.63   31.96  -26.20  -57.10
SO YBADJ    CTN12     -20.84  -11.16   -1.14    8.92   18.70   27.91
SO YBADJ    CTN12      36.28   43.55   49.49   53.93   56.73   57.80

SO BUILDHGT CTN13      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN13      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN13      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN13      15.24   15.24   15.24   63.09   63.09   62.48
SO BUILDHGT CTN13      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN13      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTN13     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN13     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN13     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTN13     264.76  258.44  244.26   71.91   77.14   76.66
SO BUILDWID CTN13     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN13     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTN13      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN13     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN13     222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTN13      78.10  120.90  160.03   77.14   71.91   69.44
SO BUILDLEN CTN13     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN13     222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTN13     -50.83  -84.79 -116.18 -144.04 -167.52 -185.91
SO XBADJ    CTN13    -198.65 -205.36 -205.82 -205.75 -199.43 -187.05
SO XBADJ    CTN13    -168.98 -145.78 -118.15  -86.93  -53.07  -17.60
SO XBADJ    CTN13     -27.27  -36.11  -43.85 -364.04 -360.65 -326.52
SO XBADJ    CTN13     -59.79  -59.41  -57.22  -59.01  -59.01  -57.21
SO XBADJ    CTN13     -53.68  -48.52  -41.88  -33.97  -25.02  -15.32
SO YBADJ    CTN13      73.37   70.21   64.92   57.65   48.63   38.14
SO YBADJ    CTN13      26.48   14.02    1.14  -11.78  -24.34  -36.16
SO YBADJ    CTN13     -46.89  -56.19  -63.78  -69.43  -72.97  -74.30
SO YBADJ    CTN13     -73.37  -70.21  -64.92   19.32  -36.81  -65.35
SO YBADJ    CTN13     -26.48  -14.02   -1.14   11.78   24.34   36.16
SO YBADJ    CTN13      46.89   56.19   63.78   69.43   72.97   74.30

SO BUILDHGT CTN14      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN14      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN14      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN14      15.24   15.24   63.09   63.09   63.09   15.24
SO BUILDHGT CTN14      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN14      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTN14     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN14     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN14     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTN14     264.76  258.44   64.50   71.91   77.14  160.03
SO BUILDWID CTN14     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN14     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTN14      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN14     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN14     222.66  194.30  160.03  120.90   78.10   32.92
```

SO	BUILDLEN	CTN14	78.10	120.90	80.02	77.14	71.91	244.26
SO	BUILDLEN	CTN14	258.44	264.76	263.04	264.76	258.44	244.26
SO	BUILDLEN	CTN14	222.66	194.30	160.03	120.90	78.10	32.92
SO	XBADJ	CTN14	-53.68	-90.40	-124.38	-154.58	-180.08	-200.11
SO	XBADJ	CTN14	-214.06	-221.51	-222.22	-221.90	-214.84	-201.25
SO	XBADJ	CTN14	-181.54	-156.32	-126.35	-92.54	-55.92	-17.60
SO	XBADJ	CTN14	-24.42	-30.50	-348.17	-353.50	-348.08	-44.15
SO	XBADJ	CTN14	-44.38	-43.26	-40.82	-42.86	-43.60	-43.01
SO	XBADJ	CTN14	-41.12	-37.98	-33.68	-28.36	-22.18	-15.32
SO	YBADJ	CTN14	89.52	85.62	79.12	70.21	59.17	46.34
SO	YBADJ	CTN14	32.09	16.87	1.14	-14.63	-29.95	-44.36
SO	YBADJ	CTN14	-57.43	-68.75	-77.98	-84.84	-89.13	-90.70
SO	YBADJ	CTN14	-89.52	-85.62	60.66	6.76	-47.35	-46.34
SO	YBADJ	CTN14	-32.09	-16.87	-1.14	14.63	29.95	44.36
SO	YBADJ	CTN14	57.43	68.75	77.98	84.84	89.13	90.70
SO	BUILDHGT	CTN15	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN15	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN15	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN15	15.24	15.24	63.09	63.09	63.09	15.24
SO	BUILDHGT	CTN15	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN15	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDWID	CTN15	264.76	258.44	244.26	222.66	194.30	160.03
SO	BUILDWID	CTN15	120.90	78.10	32.92	78.10	120.90	160.03
SO	BUILDWID	CTN15	194.30	222.66	244.26	258.44	264.76	263.04
SO	BUILDWID	CTN15	264.76	258.44	64.50	71.91	77.14	160.03
SO	BUILDWID	CTN15	120.90	78.10	32.92	78.10	120.90	160.03
SO	BUILDWID	CTN15	194.30	222.66	244.26	258.44	264.76	263.04
SO	BUILDLEN	CTN15	78.10	120.90	160.03	194.30	222.66	244.26
SO	BUILDLEN	CTN15	258.44	264.76	263.04	264.76	258.44	244.26
SO	BUILDLEN	CTN15	222.66	194.30	160.03	120.90	78.10	32.92
SO	BUILDLEN	CTN15	78.10	120.90	80.02	77.14	71.91	244.26
SO	BUILDLEN	CTN15	258.44	264.76	263.04	264.76	258.44	244.26
SO	BUILDLEN	CTN15	222.66	194.30	160.03	120.90	78.10	32.92
SO	XBADJ	CTN15	-56.54	-96.04	-132.63	-165.18	-192.72	-214.40
SO	XBADJ	CTN15	-229.57	-237.76	-238.72	-238.15	-230.34	-215.54
SO	XBADJ	CTN15	-194.18	-166.93	-134.60	-98.18	-58.78	-17.60
SO	XBADJ	CTN15	-21.55	-24.85	-339.92	-342.89	-335.44	-29.86
SO	XBADJ	CTN15	-28.87	-27.01	-24.32	-26.61	-28.09	-28.72
SO	XBADJ	CTN15	-28.48	-27.37	-25.43	-22.71	-19.31	-15.32
SO	YBADJ	CTN15	105.77	101.13	93.41	82.85	69.78	54.59
SO	YBADJ	CTN15	37.73	19.74	1.14	-17.49	-35.60	-52.61
SO	YBADJ	CTN15	-68.04	-81.39	-92.27	-100.35	-105.37	-107.20
SO	YBADJ	CTN15	-105.77	-101.13	46.37	-5.88	-57.96	-54.59
SO	YBADJ	CTN15	-37.73	-19.74	-1.14	17.49	35.60	52.61
SO	YBADJ	CTN15	68.04	81.39	92.27	100.35	105.37	107.20
SO	BUILDHGT	CTN16	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN16	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN16	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN16	15.24	15.24	63.09	63.09	63.09	15.24
SO	BUILDHGT	CTN16	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN16	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDWID	CTN16	264.76	258.44	244.26	222.66	194.30	160.03
SO	BUILDWID	CTN16	120.90	78.10	32.92	78.10	120.90	160.03
SO	BUILDWID	CTN16	194.30	222.66	244.26	258.44	264.76	263.04
SO	BUILDWID	CTN16	264.76	258.44	64.50	71.91	77.14	160.03
SO	BUILDWID	CTN16	120.90	78.10	32.92	78.10	120.90	160.03
SO	BUILDWID	CTN16	194.30	222.66	244.26	258.44	264.76	263.04
SO	BUILDLEN	CTN16	78.10	120.90	160.03	194.30	222.66	244.26
SO	BUILDLEN	CTN16	258.44	264.76	263.04	264.76	258.44	244.26
SO	BUILDLEN	CTN16	222.66	194.30	160.03	120.90	78.10	32.92
SO	BUILDLEN	CTN16	78.10	120.90	80.02	77.14	71.91	244.26
SO	BUILDLEN	CTN16	258.44	264.76	263.04	264.76	258.44	244.26
SO	BUILDLEN	CTN16	222.66	194.30	160.03	120.90	78.10	32.92
SO	XBADJ	CTN16	-59.41	-101.69	-140.88	-175.79	-205.36	-228.69
SO	XBADJ	CTN16	-245.07	-254.01	-255.22	-254.40	-245.85	-229.83
SO	XBADJ	CTN16	-206.82	-177.53	-142.85	-103.83	-61.65	-17.60
SO	XBADJ	CTN16	-18.69	-19.21	-331.67	-332.28	-322.80	-15.57
SO	XBADJ	CTN16	-13.37	-10.76	-7.82	-10.36	-12.59	-14.43
SO	XBADJ	CTN16	-15.84	-16.76	-17.18	-17.07	-16.45	-15.32
SO	YBADJ	CTN16	122.02	116.63	107.70	95.49	80.39	62.84
SO	YBADJ	CTN16	43.38	22.60	1.14	-20.36	-41.24	-60.86

```
SO YBADJ     CTN16     -78.64  -94.03 -106.56 -115.85 -121.62 -123.70
SO YBADJ     CTN16    -122.02 -116.63   32.08  -18.52  -68.56  -62.84
SO YBADJ     CTN16     -43.38  -22.60   -1.14   20.36   41.24   60.86
SO YBADJ     CTN16      78.64   94.03  106.56  115.85  121.62  123.70


SO BUILDHGT CTS01      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS01      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS01      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS01      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS01      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS01      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS01     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS01     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS01     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS01     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS01     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS01     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS01      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS01     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS01     222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS01      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS01     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS01     222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ     CTS01     -17.71  -18.35  -18.43  -17.95  -16.93  -15.39
SO XBADJ     CTS01     -13.39  -10.97   -8.23  -10.95  -13.34  -15.32
SO XBADJ     CTS01     -16.83  -17.84  -18.30  -18.21  -17.57  -16.39
SO XBADJ     CTS01     -60.39 -102.55 -141.60 -176.35 -205.73 -228.87
SO XBADJ     CTS01    -245.05 -253.79 -254.82 -253.82 -245.10 -228.94
SO XBADJ     CTS01    -205.83 -176.46 -141.72 -102.69  -60.53  -16.53
SO YBADJ     CTS01    -121.43 -115.88 -106.81  -94.50  -79.31  -61.71
SO YBADJ     CTS01     -42.24  -21.48   -0.07   21.34   42.10   61.58
SO YBADJ     CTS01      79.20   94.40  106.74  115.83  121.41  123.29
SO YBADJ     CTS01     121.43  115.88  106.81   94.50   79.31   61.71
SO YBADJ     CTS01      42.24   21.48    0.07  -21.34  -42.10  -61.58
SO YBADJ     CTS01     -79.20  -94.40 -106.74 -115.83 -121.41 -123.29


SO BUILDHGT CTS02      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS02      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS02      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS02      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS02      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS02      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS02     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS02     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS02     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS02     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS02     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS02     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS02      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS02     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS02     222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS02      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS02     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS02     222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ     CTS02     -20.62  -24.08  -26.82  -28.73  -29.78  -29.91
SO XBADJ     CTS02     -29.14  -27.49  -25.00  -27.46  -29.09  -29.84
SO XBADJ     CTS02     -29.68  -28.62  -26.69  -23.95  -20.48  -16.39
SO XBADJ     CTS02     -57.47  -96.81 -133.21 -165.57 -192.89 -214.35
SO XBADJ     CTS02    -229.29 -237.27 -238.05 -237.30 -229.34 -214.42
SO XBADJ     CTS02    -192.98 -165.68 -133.34  -96.95  -57.62  -16.53
SO YBADJ     CTS02    -104.92 -100.13  -92.29  -81.65  -68.53  -53.33
SO YBADJ     CTS02     -36.50  -18.57   -0.07   18.43   36.36   53.20
SO YBADJ     CTS02      68.42   81.56   92.22  100.08  104.89  106.52
SO YBADJ     CTS02     104.92  100.13   92.29   81.65   68.53   53.33
SO YBADJ     CTS02      36.50   18.57    0.07  -18.43  -36.36  -53.20
SO YBADJ     CTS02     -68.42  -81.56  -92.22 -100.08 -104.89 -106.52


SO BUILDHGT CTS03      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS03      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS03      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS03      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS03      15.24   15.24   15.24   15.24   15.24   15.24
```

```
SO BUILDHGT CTS03      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS03     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS03     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS03     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS03     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS03     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS03     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS03      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS03     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS03     222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS03      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS03     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS03     222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS03     -23.47  -29.69  -35.02  -39.27  -42.34  -44.12
SO XBADJ    CTS03     -44.55  -43.64  -41.40  -43.61  -44.50  -44.04
SO XBADJ    CTS03     -42.24  -39.16  -34.89  -29.56  -23.33  -16.39
SO XBADJ    CTS03     -54.63  -91.21 -125.01 -155.02 -180.32 -200.14
SO XBADJ    CTS03    -213.88 -221.12 -221.65 -221.15 -213.93 -200.22
SO XBADJ    CTS03    -180.42 -155.14 -125.14  -91.34  -54.77  -16.53
SO YBADJ    CTS03     -88.77  -84.71  -78.09  -69.09  -57.99  -45.13
SO YBADJ    CTS03     -30.89  -15.72   -0.07   15.58   30.76   45.00
SO YBADJ    CTS03      57.88   68.99   78.01   84.66   88.74   90.12
SO YBADJ    CTS03      88.77   84.71   78.09   69.09   57.99   45.13
SO YBADJ    CTS03      30.89   15.72    0.07  -15.58  -30.76  -45.00
SO YBADJ    CTS03     -57.88  -68.99  -78.01  -84.66  -88.74  -90.12

SO BUILDHGT CTS04      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS04      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS04      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS04      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS04      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS04      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS04     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS04     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS04     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS04     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS04     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS04     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS04      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS04     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS04     222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS04      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS04     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS04     222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS04     -26.33  -35.34  -43.27  -49.88  -54.98  -58.41
SO XBADJ    CTS04     -60.06  -59.89  -57.90  -59.86  -60.01  -58.33
SO XBADJ    CTS04     -54.88  -49.77  -43.14  -35.20  -26.19  -16.39
SO XBADJ    CTS04     -51.76  -85.56 -116.76 -144.42 -167.68 -185.85
SO XBADJ    CTS04    -198.38 -204.87 -205.15 -204.90 -198.43 -185.93
SO XBADJ    CTS04    -167.78 -144.53 -116.89  -85.70  -51.90  -16.53
SO YBADJ    CTS04     -72.52  -69.21  -63.80  -56.45  -47.38  -36.88
SO YBADJ    CTS04     -25.25  -12.86   -0.07   12.71   25.11   36.75
SO YBADJ    CTS04      47.27   56.35   63.72   69.16   72.49   73.62
SO YBADJ    CTS04      72.52   69.21   63.80   56.45   47.38   36.88
SO YBADJ    CTS04      25.25   12.86    0.07  -12.71  -25.11  -36.75
SO YBADJ    CTS04     -47.27  -56.35  -63.72  -69.16  -72.49  -73.62

SO BUILDHGT CTS05      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS05      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS05      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS05      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS05      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS05      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS05     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS05     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS05     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS05     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS05     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS05     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS05      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS05     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS05     222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS05      78.09  120.90  160.03  194.30  222.66  244.26
```

```
SO BUILDLEN CTS05       258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS05       222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS05       -29.20  -40.98  -51.52  -60.49  -67.62  -72.70
SO XBADJ    CTS05       -75.56  -76.14  -74.40  -76.11  -75.51  -72.62
SO XBADJ    CTS05       -67.52  -60.37  -51.39  -40.84  -29.06  -16.39
SO XBADJ    CTS05       -48.90  -79.92 -108.51 -133.81 -155.04 -171.57
SO XBADJ    CTS05      -182.87 -188.63 -188.65 -188.65 -182.92 -171.64
SO XBADJ    CTS05      -155.14 -133.92 -108.64  -80.06  -49.04  -16.53
SO YBADJ    CTS05       -56.27  -53.70  -49.51  -43.81  -36.77  -28.63
SO YBADJ    CTS05       -19.61   -9.99   -0.07    9.85   19.47   28.50
SO YBADJ    CTS05        36.66   43.71   49.43   53.65   56.24   57.12
SO YBADJ    CTS05        56.27   53.70   49.51   43.81   36.77   28.63
SO YBADJ    CTS05        19.61    9.99    0.07   -9.85  -19.47  -28.50
SO YBADJ    CTS05       -36.66  -43.71  -49.43  -53.65  -56.24  -57.12


SO BUILDHGT CTS06        15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS06        15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS06        15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS06        15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS06        15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS06        15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS06       264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS06       120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS06       194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS06       264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS06       120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS06       194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS06        78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS06       258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS06       222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS06        78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS06       258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS06       222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS06       -32.05  -46.59  -59.72  -71.03  -80.18  -86.90
SO XBADJ    CTS06       -90.98  -92.29  -90.80  -92.26  -90.93  -86.83
SO XBADJ    CTS06       -80.09  -70.92  -59.59  -46.45  -31.90  -16.39
SO XBADJ    CTS06       -46.05  -74.31 -100.31 -123.27 -142.48 -157.36
SO XBADJ    CTS06      -167.46 -172.47 -172.25 -172.50 -167.51 -157.44
SO XBADJ    CTS06      -142.57 -123.38 -100.44  -74.45  -46.19  -16.53
SO YBADJ    CTS06       -40.12  -38.29  -35.30  -31.24  -26.23  -20.43
SO YBADJ    CTS06       -14.00   -7.14   -0.07    7.00   13.86   20.30
SO YBADJ    CTS06        26.12   31.15   35.23   38.24   40.09   40.72
SO YBADJ    CTS06        40.12   38.29   35.30   31.24   26.23   20.43
SO YBADJ    CTS06        14.00    7.14    0.07   -7.00  -13.86  -20.30
SO YBADJ    CTS06       -26.12  -31.15  -35.23  -38.24  -40.09  -40.72


SO BUILDHGT CTS07        15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS07        15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS07        15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS07        15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS07        15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS07        15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS07       264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS07       120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS07       194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS07       264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS07       120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS07       194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS07        78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS07       258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS07       222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS07        78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS07       258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS07       222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS07       -34.91  -52.23  -67.97  -81.63  -92.82 -101.19
SO XBADJ    CTS07      -106.48 -108.54 -107.30 -108.51 -106.43 -101.11
SO XBADJ    CTS07       -92.73  -81.52  -67.84  -52.10  -34.77  -16.39
SO XBADJ    CTS07       -43.18  -68.67  -92.06 -112.66 -129.84 -143.07
SO XBADJ    CTS07      -151.96 -156.23 -155.75 -156.25 -152.01 -143.15
SO XBADJ    CTS07      -129.93 -112.78  -92.19  -68.80  -43.33  -16.53
SO YBADJ    CTS07       -23.87  -22.79  -21.02  -18.60  -15.63  -12.18
SO YBADJ    CTS07        -8.35   -4.28   -0.07    4.13    8.22   12.05
SO YBADJ    CTS07        15.52   18.51   20.94   22.74   23.84   24.22
```

```
SO YBADJ     CTS07      23.87   22.79   21.02   18.60   15.63   12.18
SO YBADJ     CTS07       8.35    4.28    0.07   -4.13   -8.22  -12.05
SO YBADJ     CTS07     -15.52  -18.51  -20.94  -22.74  -23.84  -24.22


SO BUILDHGT CTS08      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS08      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS08      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS08      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS08      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS08      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS08     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS08     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS08     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS08     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS08     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS08     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS08      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS08     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS08     222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS08      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS08     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS08     222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ     CTS08     -37.76  -57.84  -76.17  -92.18 -105.38 -115.39
SO XBADJ     CTS08    -121.89 -124.69 -123.70 -124.66 -121.84 -115.32
SO XBADJ     CTS08    -105.29  -92.06  -76.04  -57.70  -37.62  -16.39
SO XBADJ     CTS08     -40.33  -63.06  -83.86 -102.12 -117.28 -128.87
SO XBADJ     CTS08    -136.55 -140.07 -139.35 -140.10 -136.60 -128.94
SO XBADJ     CTS08    -117.37 -102.23  -83.99  -63.19  -40.48  -16.53
SO YBADJ     CTS08      -7.72   -7.38   -6.81   -6.04   -5.09   -3.98
SO YBADJ     CTS08      -2.74   -1.43   -0.07    1.29    2.61    3.85
SO YBADJ     CTS08       4.97    5.95    6.74    7.33    7.69    7.82
SO YBADJ     CTS08       7.72    7.38    6.81    6.04    5.09    3.98
SO YBADJ     CTS08       2.74    1.43    0.07   -1.29   -2.61   -3.85
SO YBADJ     CTS08      -4.97   -5.95   -6.74   -7.33   -7.69   -7.82


SO BUILDHGT CTS09      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS09      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS09      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS09      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS09      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS09      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS09     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS09     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS09     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS09     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS09     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS09     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS09      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS09     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS09     222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS09      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS09     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS09     222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ     CTS09     -40.63  -63.49  -84.42 -102.78 -118.02 -129.68
SO XBADJ     CTS09    -137.40 -140.94 -140.20 -140.91 -137.35 -129.61
SO XBADJ     CTS09    -117.93 -102.67  -84.29  -63.35  -40.48  -16.39
SO XBADJ     CTS09     -37.47  -57.41  -75.61  -91.52 -104.64 -114.58
SO XBADJ     CTS09    -121.04 -123.83 -122.85 -123.85 -121.09 -114.65
SO XBADJ     CTS09    -104.73  -91.63  -75.74  -57.55  -37.61  -16.53
SO YBADJ     CTS09       8.53    8.13    7.48    6.60    5.52    4.27
SO YBADJ     CTS09       2.90    1.43   -0.07   -1.58   -3.04   -4.40
SO YBADJ     CTS09      -5.63   -6.69   -7.55   -8.18   -8.56   -8.68
SO YBADJ     CTS09      -8.53   -8.13   -7.48   -6.60   -5.52   -4.27
SO YBADJ     CTS09      -2.90   -1.43    0.07    1.58    3.04    4.40
SO YBADJ     CTS09       5.63    6.69    7.55    8.18    8.56    8.68


SO BUILDHGT CTS10      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS10      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS10      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS10      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS10      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS10      15.24   15.24   15.24   15.24   15.24   15.24
```

```
SO BUILDWID CTS10      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS10      120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS10      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS10      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS10      120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS10      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS10       78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS10      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS10      222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS10       78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS10      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS10      222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS10      -43.49  -69.13  -92.67 -113.39 -130.66 -143.97
SO XBADJ    CTS10     -152.90 -157.19 -156.70 -157.16 -152.85 -143.90
SO XBADJ    CTS10     -130.57 -113.28  -92.54  -68.99  -43.35  -16.39
SO XBADJ    CTS10      -34.60  -51.77  -67.36  -80.91  -92.00 -100.29
SO XBADJ    CTS10     -105.54 -107.58 -106.35 -107.60 -105.59 -100.36
SO XBADJ    CTS10      -92.09  -81.02  -67.49  -51.91  -34.75  -16.53
SO YBADJ    CTS10       24.78   23.63   21.77   19.24   16.13   12.52
SO YBADJ    CTS10        8.54    4.30   -0.07   -4.44   -8.68  -12.65
SO YBADJ    CTS10      -16.24  -19.33  -21.84  -23.68  -24.81  -25.18
SO YBADJ    CTS10      -24.78  -23.63  -21.77  -19.24  -16.13  -12.52
SO YBADJ    CTS10       -8.54   -4.30    0.07    4.44    8.68   12.65
SO YBADJ    CTS10       16.24   19.33   21.84   23.68   24.81   25.18


SO BUILDHGT CTS11       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS11       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS11       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS11       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS11       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS11       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS11      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS11      120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS11      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS11      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS11      120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS11      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS11       78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS11      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS11      222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS11       78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS11      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS11      222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS11      -46.34  -74.74 -100.87 -123.93 -143.23 -158.17
SO XBADJ    CTS11     -168.31 -173.34 -173.10 -173.31 -168.26 -158.10
SO XBADJ    CTS11     -143.13 -123.82 -100.74  -74.60  -46.19  -16.39
SO XBADJ    CTS11      -31.76  -46.16  -59.16  -70.37  -79.44  -86.09
SO XBADJ    CTS11      -90.13  -91.42  -89.95  -91.45  -90.18  -86.16
SO XBADJ    CTS11      -79.53  -70.48  -59.29  -46.30  -31.90  -16.53
SO YBADJ    CTS11       40.93   39.04   35.97   31.80   26.67   20.72
SO YBADJ    CTS11       14.15    7.15   -0.07   -7.29  -14.29  -20.85
SO YBADJ    CTS11      -26.78  -31.90  -36.04  -39.09  -40.96  -41.58
SO YBADJ    CTS11      -40.93  -39.04  -35.97  -31.80  -26.67  -20.72
SO YBADJ    CTS11      -14.15   -7.15    0.07    7.29   14.29   20.85
SO YBADJ    CTS11       26.78   31.90   36.04   39.09   40.96   41.58


SO BUILDHGT CTS12       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS12       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS12       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS12       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS12       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS12       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS12      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS12      120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS12      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS12      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS12      120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS12      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS12       78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS12      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS12      222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS12       78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS12      258.44  264.76  263.04  264.76  258.44  244.26
```

```
SO BUILDLEN CTS12     222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS12     -49.20  -80.38 -109.12 -134.53 -155.87 -172.46
SO XBADJ    CTS12    -183.82 -189.59 -189.60 -189.56 -183.77 -172.39
SO XBADJ    CTS12    -155.77 -134.42 -108.99  -80.24  -49.06  -16.39
SO XBADJ    CTS12     -28.89  -40.52  -50.91  -59.76  -66.80  -71.80
SO XBADJ    CTS12     -74.62  -75.18  -73.45  -75.20  -74.67  -71.87
SO XBADJ    CTS12     -66.89  -59.87  -51.04  -40.65  -29.03  -16.53
SO YBADJ    CTS12      57.18   54.55   50.26   44.44   37.27   28.97
SO YBADJ    CTS12      19.79   10.01   -0.07  -10.16  -19.93  -29.10
SO YBADJ    CTS12     -37.39  -44.54  -50.33  -54.60  -57.21  -58.08
SO YBADJ    CTS12     -57.18  -54.55  -50.26  -44.44  -37.27  -28.97
SO YBADJ    CTS12     -19.79  -10.01    0.07   10.16   19.93   29.10
SO YBADJ    CTS12      37.39   44.54   50.33   54.60   57.21   58.08

SO BUILDHGT CTS13      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS13      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS13      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS13      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS13      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS13      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS13     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS13     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS13     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS13     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS13     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS13     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS13      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS13     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS13     222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS13      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS13     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS13     222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS13     -52.07  -86.02 -117.37 -145.14 -168.51 -186.75
SO XBADJ    CTS13    -199.32 -205.84 -206.10 -205.81 -199.27 -186.68
SO XBADJ    CTS13    -168.41 -145.03 -117.24  -85.89  -51.93  -16.39
SO XBADJ    CTS13     -26.03  -34.87  -42.66  -49.16  -54.16  -57.51
SO XBADJ    CTS13     -59.12  -58.93  -56.95  -58.95  -59.17  -57.58
SO XBADJ    CTS13     -54.25  -49.27  -42.79  -35.01  -26.17  -16.53
SO YBADJ    CTS13      73.43   70.05   64.55   57.08   47.88   37.22
SO YBADJ    CTS13      25.44   12.88   -0.07  -13.02  -25.57  -37.35
SO YBADJ    CTS13     -47.99  -57.18  -64.62  -70.10  -73.46  -74.58
SO YBADJ    CTS13     -73.43  -70.05  -64.55  -57.08  -47.88  -37.22
SO YBADJ    CTS13     -25.44  -12.88    0.07   13.02   25.57   37.35
SO YBADJ    CTS13      47.99   57.18   64.62   70.10   73.46   74.58

SO BUILDHGT CTS14      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS14      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS14      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS14      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS14      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS14      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS14     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS14     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS14     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS14     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS14     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS14     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS14      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS14     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS14     222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS14      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS14     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS14     222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS14     -54.92  -91.63 -125.57 -155.68 -181.07 -200.95
SO XBADJ    CTS14    -214.73 -221.99 -222.50 -221.96 -214.68 -200.88
SO XBADJ    CTS14    -180.98 -155.57 -125.44  -91.50  -54.77  -16.39
SO XBADJ    CTS14     -23.18  -29.27  -34.46  -38.61  -41.59  -43.31
SO XBADJ    CTS14     -43.71  -42.78  -40.55  -42.80  -43.76  -43.38
SO XBADJ    CTS14     -41.69  -38.73  -34.59  -29.40  -23.32  -16.53
SO YBADJ    CTS14      89.58   85.46   78.75   69.64   58.42   45.42
SO YBADJ    CTS14      31.05   15.73   -0.07  -15.87  -31.18  -45.55
SO YBADJ    CTS14     -58.53  -69.74  -78.82  -85.51  -89.61  -90.98
SO YBADJ    CTS14     -89.58  -85.46  -78.75  -69.64  -58.42  -45.42
```

```
SO YBADJ    CTS14     -31.05  -15.73    0.07   15.87   31.18   45.55
SO YBADJ    CTS14      58.53   69.74   78.82   85.51   89.61   90.98

SO BUILDHGT CTS15      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS15      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS15      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS15      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS15      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS15      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS15     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS15     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS15     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS15     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS15     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS15     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS15      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS15     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS15     222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS15      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS15     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS15     222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS15     -57.78  -97.28 -133.82 -166.29 -193.71 -215.24
SO XBADJ    CTS15    -230.24 -238.24 -239.00 -238.21 -230.19 -215.17
SO XBADJ    CTS15    -193.61 -166.18 -133.69  -97.14  -57.64  -16.39
SO XBADJ    CTS15     -20.31  -23.62  -26.21  -28.01  -28.95  -29.02
SO XBADJ    CTS15     -28.20  -26.53  -24.05  -26.55  -28.25  -29.09
SO XBADJ    CTS15     -29.05  -28.12  -26.34  -23.76  -20.46  -16.53
SO YBADJ    CTS15     105.83  100.97   93.04   82.28   69.03   53.67
SO YBADJ    CTS15      36.69   18.59   -0.07  -18.73  -36.83  -53.80
SO YBADJ    CTS15     -69.14  -82.38  -93.11 -101.02 -105.86 -107.48
SO YBADJ    CTS15    -105.83 -100.97  -93.04  -82.28  -69.03  -53.67
SO YBADJ    CTS15     -36.69  -18.59    0.07   18.73   36.83   53.80
SO YBADJ    CTS15      69.14   82.38   93.11  101.02  105.86  107.48

SO BUILDHGT CTS16      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS16      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS16      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS16      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS16      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS16      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS16     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS16     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS16     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS16     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS16     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS16     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS16      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS16     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS16     222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS16      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS16     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS16     222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS16     -60.65 -102.92 -142.07 -176.89 -206.35 -229.53
SO XBADJ    CTS16    -245.74 -254.49 -255.50 -254.46 -245.69 -229.46
SO XBADJ    CTS16    -206.25 -176.78 -141.94 -102.78  -60.50  -16.39
SO XBADJ    CTS16     -17.45  -17.98  -17.96  -17.40  -16.31  -14.73
SO XBADJ    CTS16     -12.70  -10.28   -7.55  -10.30  -12.75  -14.80
SO XBADJ    CTS16     -16.41  -17.51  -18.09  -18.12  -17.59  -16.53
SO YBADJ    CTS16     122.08  116.47  107.33   94.92   79.63   61.92
SO YBADJ    CTS16      42.33   21.46   -0.07  -21.60  -42.47  -62.05
SO YBADJ    CTS16     -79.75  -95.02 -107.40 -116.52 -122.10 -123.98
SO YBADJ    CTS16    -122.08 -116.47 -107.33  -94.92  -79.63  -61.92
SO YBADJ    CTS16     -42.33  -21.46    0.07   21.60   42.47   62.05
SO YBADJ    CTS16      79.75   95.02  107.40  116.52  122.10  123.98

SO BUILDHGT EP45       28.96   30.48   30.48   30.48   30.48   30.48
SO BUILDHGT EP45        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP45       28.96   28.96   28.96   28.96   28.96   28.96
SO BUILDHGT EP45       28.96   28.96   28.96   28.96   28.96   30.48
SO BUILDHGT EP45        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP45       28.96   28.96   28.96   28.96   28.96   28.96
SO BUILDWID EP45       76.18   72.95   75.68   76.10   74.22   70.08
```

```
SO BUILDWID EP45       0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDWID EP45      59.67    67.00    72.28    75.38    76.18    74.67
SO BUILDWID EP45      76.18    75.38    72.28    67.00   104.25    70.08
SO BUILDWID EP45       0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDWID EP45      59.67    67.00    72.28    75.38    76.18    74.67
SO BUILDLEN EP45      27.97    63.81    70.08    74.22    76.10    75.68
SO BUILDLEN EP45       0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDLEN EP45      67.00    59.67    50.53    39.86    27.97    15.24
SO BUILDLEN EP45      27.97    39.86    50.53    59.67   144.13    75.68
SO BUILDLEN EP45       0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDLEN EP45      67.00    59.67    50.53    39.86    27.97    15.24
SO XBADJ    EP45     -67.96  -125.52  -133.83  -138.07  -138.12  -133.97
SO XBADJ    EP45       0.00     0.00     0.00     0.00     0.00     0.00
SO XBADJ    EP45      12.16    21.38    29.94    37.59    44.11    49.28
SO XBADJ    EP45      39.99    29.48    18.08     6.13    -6.01    58.29
SO XBADJ    EP45       0.00     0.00     0.00     0.00     0.00     0.00
SO XBADJ    EP45     -79.16   -81.05   -80.47   -77.45   -72.08   -64.52
SO YBADJ    EP45     -21.56    37.99    21.16     3.68   -13.91   -31.07
SO YBADJ    EP45       0.00     0.00     0.00     0.00     0.00     0.00
SO YBADJ    EP45     -35.96   -27.49   -18.18    -8.31     1.80    11.86
SO YBADJ    EP45      21.56    30.61    38.72    45.66    28.92    31.07
SO YBADJ    EP45       0.00     0.00     0.00     0.00     0.00     0.00
SO YBADJ    EP45      35.96    27.49    18.18     8.31    -1.80   -11.86

SO BUILDHGT EP46       0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDHGT EP46       0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDHGT EP46       0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDHGT EP46       0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDHGT EP46       0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDHGT EP46       0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDWID EP46       0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDWID EP46       0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDWID EP46       0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDWID EP46       0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDWID EP46       0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDWID EP46       0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDLEN EP46       0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDLEN EP46       0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDLEN EP46       0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDLEN EP46       0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDLEN EP46       0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDLEN EP46       0.00     0.00     0.00     0.00     0.00     0.00
SO XBADJ    EP46       0.00     0.00     0.00     0.00     0.00     0.00
SO XBADJ    EP46       0.00     0.00     0.00     0.00     0.00     0.00
SO XBADJ    EP46       0.00     0.00     0.00     0.00     0.00     0.00
SO XBADJ    EP46       0.00     0.00     0.00     0.00     0.00     0.00
SO XBADJ    EP46       0.00     0.00     0.00     0.00     0.00     0.00
SO XBADJ    EP46       0.00     0.00     0.00     0.00     0.00     0.00
SO YBADJ    EP46       0.00     0.00     0.00     0.00     0.00     0.00
SO YBADJ    EP46       0.00     0.00     0.00     0.00     0.00     0.00
SO YBADJ    EP46       0.00     0.00     0.00     0.00     0.00     0.00
SO YBADJ    EP46       0.00     0.00     0.00     0.00     0.00     0.00
SO YBADJ    EP46       0.00     0.00     0.00     0.00     0.00     0.00
SO YBADJ    EP46       0.00     0.00     0.00     0.00     0.00     0.00

SO BUILDHGT EP47       0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDHGT EP47       0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDHGT EP47       0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDHGT EP47       0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDHGT EP47       0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDHGT EP47       0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDWID EP47       0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDWID EP47       0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDWID EP47       0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDWID EP47       0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDWID EP47       0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDWID EP47       0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDLEN EP47       0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDLEN EP47       0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDLEN EP47       0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDLEN EP47       0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDLEN EP47       0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDLEN EP47       0.00     0.00     0.00     0.00     0.00     0.00
```

```
SO XBADJ    EP47         0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP47         0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP47         0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP47         0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP47         0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP47         0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP47         0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP47         0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP47         0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP47         0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP47         0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP47         0.00    0.00    0.00    0.00    0.00    0.00


SO BUILDHGT EP61        62.48   62.48   63.09   63.09   36.58   36.58
SO BUILDHGT EP61        36.58   36.58   36.58   36.58   36.58   36.58
SO BUILDHGT EP61        36.58   36.58   36.58   36.58   36.58   36.58
SO BUILDHGT EP61        36.58   36.58   36.58   36.58   36.58   36.58
SO BUILDHGT EP61        36.58   36.58   36.58   36.58   36.58   36.58
SO BUILDHGT EP61        36.58   36.58   36.58   36.58   36.58   62.48
SO BUILDWID EP61        65.67   78.78   64.50   71.91   21.28   20.67
SO BUILDWID EP61        19.43   17.60   15.24   17.60   19.43   20.67
SO BUILDWID EP61        21.28   21.24   20.55   19.25   17.36   14.94
SO BUILDWID EP61        17.36   19.25   20.55   21.24   21.28   20.67
SO BUILDWID EP61        19.43   17.60   15.24   17.60   19.43   20.67
SO BUILDWID EP61        21.28   21.24   20.55   19.25   17.36   62.50
SO BUILDLEN EP61        99.40  103.48   80.02   77.14   21.24   20.55
SO BUILDLEN EP61        19.25   17.36   14.94   17.36   19.25   20.55
SO BUILDLEN EP61        21.24   21.28   20.67   19.43   17.60   15.24
SO BUILDLEN EP61        17.60   19.43   20.67   21.28   21.24   20.55
SO BUILDLEN EP61        19.25   17.36   14.94   17.36   19.25   20.55
SO BUILDLEN EP61        21.24   21.28   20.67   19.43   17.60   92.15
SO XBADJ    EP61      -336.09 -375.99 -358.90 -353.91  -10.21   -9.92
SO XBADJ    EP61        -9.34   -8.47   -7.34   -8.64   -9.67  -10.41
SO XBADJ    EP61       -10.84  -10.93  -10.70  -10.13   -9.26   -8.11
SO XBADJ    EP61        -9.31  -10.22  -10.82  -11.10  -11.03  -10.63
SO XBADJ    EP61        -9.91   -8.89   -7.59   -8.72   -9.57  -10.14
SO XBADJ    EP61       -10.40  -10.34   -9.97   -9.30   -8.34 -327.53
SO YBADJ    EP61        -8.77   56.64   12.75  -43.35    0.30    0.36
SO YBADJ    EP61         0.42    0.46    0.49    0.51    0.51    0.49
SO YBADJ    EP61         0.46    0.41    0.36    0.29    0.21    0.13
SO YBADJ    EP61         0.04   -0.05   -0.14   -0.22   -0.30   -0.36
SO YBADJ    EP61        -0.42   -0.46   -0.49   -0.51   -0.51   -0.49
SO YBADJ    EP61        -0.46   -0.41   -0.36   -0.29   -0.21   46.75


SO BUILDHGT EP61A&B     62.48   62.48   63.09   63.09   36.58   36.58
SO BUILDHGT EP61A&B     36.58   36.58   36.58   36.58   36.58   36.58
SO BUILDHGT EP61A&B     36.58   36.58   36.58   36.58   36.58   36.58
SO BUILDHGT EP61A&B     36.58   36.58   36.58   36.58   36.58   36.58
SO BUILDHGT EP61A&B     36.58   36.58   36.58   36.58   36.58   36.58
SO BUILDHGT EP61A&B     36.58   36.58   36.58   36.58   36.58   62.48
SO BUILDWID EP61A&B     65.67   78.78   64.50   71.91   21.28   20.67
SO BUILDWID EP61A&B     19.43   17.60   15.24   17.60   19.43   20.67
SO BUILDWID EP61A&B     21.28   21.24   20.55   19.25   17.36   14.94
SO BUILDWID EP61A&B     17.36   19.25   20.55   21.24   21.28   20.67
SO BUILDWID EP61A&B     19.43   17.60   15.24   17.60   19.43   20.67
SO BUILDWID EP61A&B     21.28   21.24   20.55   19.25   17.36   62.50
SO BUILDLEN EP61A&B     99.40  103.48   80.02   77.14   21.24   20.55
SO BUILDLEN EP61A&B     19.25   17.36   14.94   17.36   19.25   20.55
SO BUILDLEN EP61A&B     21.24   21.28   20.67   19.43   17.60   15.24
SO BUILDLEN EP61A&B     17.60   19.43   20.67   21.28   21.24   20.55
SO BUILDLEN EP61A&B     19.25   17.36   14.94   17.36   19.25   20.55
SO BUILDLEN EP61A&B     21.24   21.28   20.67   19.43   17.60   92.15
SO XBADJ    EP61A&B  -343.06 -383.44 -366.61 -361.65  -17.73  -17.01
SO XBADJ    EP61A&B   -15.77  -14.05  -11.90  -12.04  -11.81  -11.23
SO XBADJ    EP61A&B   -10.30   -9.06   -7.55   -5.80   -3.88   -1.84
SO XBADJ    EP61A&B    -2.34   -2.77   -3.11   -3.36   -3.51   -3.55
SO XBADJ    EP61A&B    -3.48   -3.31   -3.03   -5.31   -7.43   -9.33
SO XBADJ    EP61A&B   -10.94  -12.21  -13.12  -13.63  -13.72 -333.80
SO YBADJ    EP61A&B    -5.37   58.78   13.57  -43.88   -1.58   -2.79
SO YBADJ    EP61A&B    -3.91   -4.92   -5.78   -6.46   -6.95   -7.22
SO YBADJ    EP61A&B    -7.28   -7.11   -6.73   -6.14   -5.37   -4.43
SO YBADJ    EP61A&B    -3.36   -2.19   -0.95    0.32    1.58    2.79
SO YBADJ    EP61A&B     3.91    4.92    5.78    6.46    6.95    7.22
```

```
SO YBADJ    EP61A&B     7.28    7.11    6.73    6.14    5.37   51.31


SO BUILDHGT EP52       62.48   62.48   92.66   92.66   92.66   92.66
SO BUILDHGT EP52       92.66   92.66   92.66   92.66   92.66   92.66
SO BUILDHGT EP52       92.66   92.66   92.66   62.48   62.48   62.48
SO BUILDHGT EP52       62.48   62.48   92.66   92.66   92.66   92.66
SO BUILDHGT EP52       92.66   92.66   92.66   92.66   92.66   92.66
SO BUILDHGT EP52       92.66   92.66   92.66   62.48   62.48   62.48
SO BUILDWID EP52       63.03   78.78   44.73   48.61   51.01   51.86
SO BUILDWID EP52       51.15   48.87   45.11   48.87   51.15   51.86
SO BUILDWID EP52       51.01   48.61   44.73   78.36   63.03   62.50
SO BUILDWID EP52       63.03   78.78   44.73   48.61   51.01   51.86
SO BUILDWID EP52       51.15   48.87   45.11   48.87   51.15   51.86
SO BUILDWID EP52       51.01   48.61   44.73   78.36   63.03   62.50
SO BUILDLEN EP52       19.26  103.48   51.87   51.01   48.61   44.73
SO BUILDLEN EP52       39.49   33.05   25.60   33.05   39.49   44.73
SO BUILDLEN EP52       48.61   51.01   51.87  103.63   19.26    8.53
SO BUILDLEN EP52       19.26  103.48   51.87   51.01   48.61   44.73
SO BUILDLEN EP52       39.49   33.05   25.60   33.05   39.49   44.73
SO BUILDLEN EP52       48.61   51.01   51.87  103.63   19.26    8.53
SO XBADJ    EP52       -9.56  -14.64    5.30    2.07   -1.22  101.10
SO XBADJ    EP52       -7.59  -10.48  -13.05  -23.05  -32.36  -40.68
SO XBADJ    EP52      -47.77  -53.40  -57.41  -89.00   -9.70   -4.34
SO XBADJ    EP52       -9.69  -88.84  -57.17  -53.09  -47.39 -145.83
SO XBADJ    EP52      -31.90  -22.57  -12.56   -9.99   -7.13   -4.05
SO XBADJ    EP52       -0.84    2.39    5.54  -14.62   -9.55   -4.20
SO YBADJ    EP52        0.03    8.61   18.32   23.46   27.89  -29.49
SO YBADJ    EP52       34.11   35.70   36.21   35.61   33.94   31.23
SO YBADJ    EP52       27.58   23.09   17.89    8.36   -0.01   -0.02
SO YBADJ    EP52       -0.03   -8.61  -18.32  -23.46  -27.89   29.49
SO YBADJ    EP52      -34.11  -35.70  -36.21  -35.61  -33.94  -31.23
SO YBADJ    EP52      -27.58  -23.09  -17.89   -8.36    0.01    0.02


SO BUILDHGT EP53       62.48   62.48   92.66   92.66   92.66   92.66
SO BUILDHGT EP53       92.66   92.66   92.66   92.66   92.66   92.66
SO BUILDHGT EP53       92.66   92.66   92.66   62.48   62.48   62.48
SO BUILDHGT EP53       62.48   62.48   92.66   92.66   92.66   92.66
SO BUILDHGT EP53       92.66   92.66   92.66   92.66   92.66   92.66
SO BUILDHGT EP53       92.66   92.66   92.66   62.48   62.48   62.48
SO BUILDWID EP53       63.03   78.91   44.73   48.61   51.01   51.85
SO BUILDWID EP53       51.15   48.87   45.11   48.87   51.15   51.85
SO BUILDWID EP53       51.01   48.61   44.73   78.36   63.03   62.50
SO BUILDWID EP53       63.03   78.91   44.73   48.61   51.01   51.85
SO BUILDWID EP53       51.15   48.87   45.11   48.87   51.15   51.85
SO BUILDWID EP53       51.01   48.61   44.73   78.36   63.03   62.50
SO BUILDLEN EP53       19.26  103.64   51.87   51.01   48.61   44.73
SO BUILDLEN EP53       39.49   33.05   25.60   33.05   39.49   44.73
SO BUILDLEN EP53       48.61   51.01   51.87  103.84   19.26    8.53
SO BUILDLEN EP53       19.26  103.64   51.87   51.01   48.61   44.73
SO BUILDLEN EP53       39.49   33.05   25.60   33.05   39.49   44.73
SO BUILDLEN EP53       48.61   51.01   51.87  103.84   19.26    8.53
SO XBADJ    EP53       -9.90  -15.11    4.83    1.48   -1.92   -5.27
SO XBADJ    EP53       -8.45  -11.38 -135.87 -144.01 -147.77  -41.46
SO XBADJ    EP53      -48.45  -53.98  -57.86  -89.31   -9.65   -4.14
SO XBADJ    EP53       -9.35  -88.53  -56.70  -52.49  -46.69  -39.46
SO XBADJ    EP53      -31.04  -21.67  -11.65   -9.10   -6.28   -3.27
SO XBADJ    EP53       -0.16    2.96    5.99  -14.53   -9.61   -4.40
SO YBADJ    EP53        0.82    9.39   19.10   24.15   28.47   31.92
SO YBADJ    EP53       34.41   35.84   36.21   14.29   -8.07   30.77
SO YBADJ    EP53       26.98   22.38   17.10    7.51   -0.86   -0.85
SO YBADJ    EP53       -0.82   -9.39  -19.10  -24.15  -28.47  -31.92
SO YBADJ    EP53      -34.41  -35.84  -36.19  -35.44  -33.62  -30.77
SO YBADJ    EP53      -26.98  -22.38  -17.10   -7.51    0.86    0.85


SO BUILDHGT EP65&66     0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP65&66     0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP65&66     0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP65&66     0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP65&66     0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP65&66     0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP65&66     0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP65&66     0.00    0.00    0.00    0.00    0.00    0.00
```

```
SO BUILDWID EP65&66     0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDWID EP65&66     0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDWID EP65&66     0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDWID EP65&66     0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDLEN EP65&66     0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDLEN EP65&66     0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDLEN EP65&66     0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDLEN EP65&66     0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDLEN EP65&66     0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDLEN EP65&66     0.00     0.00     0.00     0.00     0.00     0.00
SO XBADJ    EP65&66     0.00     0.00     0.00     0.00     0.00     0.00
SO XBADJ    EP65&66     0.00     0.00     0.00     0.00     0.00     0.00
SO XBADJ    EP65&66     0.00     0.00     0.00     0.00     0.00     0.00
SO XBADJ    EP65&66     0.00     0.00     0.00     0.00     0.00     0.00
SO XBADJ    EP65&66     0.00     0.00     0.00     0.00     0.00     0.00
SO XBADJ    EP65&66     0.00     0.00     0.00     0.00     0.00     0.00
SO YBADJ    EP65&66     0.00     0.00     0.00     0.00     0.00     0.00
SO YBADJ    EP65&66     0.00     0.00     0.00     0.00     0.00     0.00
SO YBADJ    EP65&66     0.00     0.00     0.00     0.00     0.00     0.00
SO YBADJ    EP65&66     0.00     0.00     0.00     0.00     0.00     0.00
SO YBADJ    EP65&66     0.00     0.00     0.00     0.00     0.00     0.00
SO YBADJ    EP65&66     0.00     0.00     0.00     0.00     0.00     0.00


SO BUILDHGT EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDHGT EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDHGT EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDHGT EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDHGT EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDHGT EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDWID EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDWID EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDWID EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDWID EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDWID EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDWID EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDLEN EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDLEN EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDLEN EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDLEN EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDLEN EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDLEN EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO XBADJ    EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO XBADJ    EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO XBADJ    EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO XBADJ    EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO XBADJ    EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO XBADJ    EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO YBADJ    EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO YBADJ    EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO YBADJ    EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO YBADJ    EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO YBADJ    EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO YBADJ    EP68        0.00     0.00     0.00     0.00     0.00     0.00


SO BUILDHGT EP7072A    28.96    28.96    28.96    30.48    30.48    30.48
SO BUILDHGT EP7072A    30.48    30.48    30.48    30.48    30.48    28.96
SO BUILDHGT EP7072A    28.96    28.96    28.96    28.96    28.96    28.96
SO BUILDHGT EP7072A    28.96    28.96    28.96    30.48    30.48    30.48
SO BUILDHGT EP7072A    30.48    30.48    30.48    30.48    30.48    28.96
SO BUILDHGT EP7072A    28.96    28.96    28.96    28.96    28.96    28.96
SO BUILDWID EP7072A    76.18    75.38    72.28    76.10    74.22    70.08
SO BUILDWID EP7072A    63.81    55.60    45.70    55.60    63.81    50.53
SO BUILDWID EP7072A    59.67    67.00    72.28    75.38    76.18    74.67
SO BUILDWID EP7072A    76.18    75.38    72.28    76.10    74.22    70.08
SO BUILDWID EP7072A    63.81    55.60    45.70    55.60    63.81    50.53
SO BUILDWID EP7072A    59.67    67.00    72.28    75.38    76.18    74.67
SO BUILDLEN EP7072A    27.97    39.86    50.53    74.22    76.10    75.68
SO BUILDLEN EP7072A    72.95    68.01    61.00    68.01    72.95    72.28
SO BUILDLEN EP7072A    67.00    59.67    50.53    39.86    27.97    15.24
SO BUILDLEN EP7072A    27.97    39.86    50.53    74.22    76.10    75.68
SO BUILDLEN EP7072A    72.95    68.01    61.00    68.01    72.95    72.28
SO BUILDLEN EP7072A    67.00    59.67    50.53    39.86    27.97    15.24
SO XBADJ    EP7072A   -13.79   -19.65   -24.91  -101.69  -110.17  -115.29
```

SO	XBADJ	EP7072A	-116.92	-114.99	-109.57	-108.75	-104.63	-35.75
SO	XBADJ	EP7072A	-33.18	-29.59	-25.11	-19.86	-14.01	-7.73
SO	XBADJ	EP7072A	-14.19	-20.21	-25.62	27.48	34.06	39.62
SO	XBADJ	EP7072A	43.97	46.98	48.57	40.74	31.68	-36.53
SO	XBADJ	EP7072A	-33.82	-30.08	-25.43	-20.00	-13.97	-7.51
SO	YBADJ	EP7072A	-0.49	-0.44	-0.39	49.02	37.06	23.97
SO	YBADJ	EP7072A	10.16	-3.96	-17.97	-31.42	-43.92	0.35
SO	YBADJ	EP7072A	0.42	0.46	0.50	0.52	0.52	0.51
SO	YBADJ	EP7072A	0.49	0.44	0.39	-49.02	-37.06	-23.97
SO	YBADJ	EP7072A	-10.16	3.96	17.97	31.42	43.92	-0.35
SO	YBADJ	EP7072A	-0.42	-0.46	-0.50	-0.52	-0.52	-0.51
SO	BUILDHGT	EPREAG1	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDHGT	EPREAG1	0.00	0.00	0.00	92.66	92.66	92.66
SO	BUILDHGT	EPREAG1	92.66	0.00	0.00	0.00	0.00	0.00
SO	BUILDHGT	EPREAG1	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDHGT	EPREAG1	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDHGT	EPREAG1	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDWID	EPREAG1	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDWID	EPREAG1	0.00	0.00	0.00	48.87	51.15	51.87
SO	BUILDWID	EPREAG1	51.01	0.00	0.00	0.00	0.00	0.00
SO	BUILDWID	EPREAG1	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDWID	EPREAG1	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDWID	EPREAG1	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDLEN	EPREAG1	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDLEN	EPREAG1	0.00	0.00	0.00	33.05	39.49	44.73
SO	BUILDLEN	EPREAG1	48.61	0.00	0.00	0.00	0.00	0.00
SO	BUILDLEN	EPREAG1	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDLEN	EPREAG1	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDLEN	EPREAG1	0.00	0.00	0.00	0.00	0.00	0.00
SO	XBADJ	EPREAG1	0.00	0.00	0.00	0.00	0.00	0.00
SO	XBADJ	EPREAG1	0.00	0.00	0.00	-201.07	-209.87	-212.29
SO	XBADJ	EPREAG1	-208.26	0.00	0.00	0.00	0.00	0.00
SO	XBADJ	EPREAG1	0.00	0.00	0.00	0.00	0.00	0.00
SO	XBADJ	EPREAG1	0.00	0.00	0.00	0.00	0.00	0.00
SO	XBADJ	EPREAG1	0.00	0.00	0.00	0.00	0.00	0.00
SO	YBADJ	EPREAG1	0.00	0.00	0.00	0.00	0.00	0.00
SO	YBADJ	EPREAG1	0.00	0.00	0.00	48.28	15.50	-17.75
SO	YBADJ	EPREAG1	-50.46	0.00	0.00	0.00	0.00	0.00
SO	YBADJ	EPREAG1	0.00	0.00	0.00	0.00	0.00	0.00
SO	YBADJ	EPREAG1	0.00	0.00	0.00	0.00	0.00	0.00
SO	YBADJ	EPREAG1	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDHGT	EPREAG2	62.48	62.48	63.09	92.66	92.66	92.66
SO	BUILDHGT	EPREAG2	92.66	92.66	92.66	92.66	92.66	92.66
SO	BUILDHGT	EPREAG2	92.66	63.09	63.09	62.48	32.61	62.48
SO	BUILDHGT	EPREAG2	62.48	62.48	63.09	92.66	92.66	92.66
SO	BUILDHGT	EPREAG2	92.66	92.66	92.66	92.66	92.66	92.66
SO	BUILDHGT	EPREAG2	92.66	63.09	63.09	62.48	0.00	62.48
SO	BUILDWID	EPREAG2	63.03	78.91	64.50	48.61	51.01	51.87
SO	BUILDWID	EPREAG2	51.15	48.87	45.11	48.87	51.15	51.87
SO	BUILDWID	EPREAG2	51.01	71.93	64.52	78.36	80.19	62.50
SO	BUILDWID	EPREAG2	63.03	78.91	64.50	48.61	51.01	51.87
SO	BUILDWID	EPREAG2	51.15	48.87	45.11	48.87	51.15	51.87
SO	BUILDWID	EPREAG2	51.01	71.93	64.52	78.36	0.00	62.50
SO	BUILDLEN	EPREAG2	19.26	103.64	80.04	51.01	48.61	44.73
SO	BUILDLEN	EPREAG2	39.49	33.05	25.60	33.05	39.49	44.73
SO	BUILDLEN	EPREAG2	48.61	77.14	80.03	103.84	49.04	8.53
SO	BUILDLEN	EPREAG2	19.26	103.64	80.04	51.01	48.61	44.73
SO	BUILDLEN	EPREAG2	39.49	33.05	25.60	33.05	39.49	44.73
SO	BUILDLEN	EPREAG2	48.61	77.14	80.03	103.84	0.00	8.53
SO	XBADJ	EPREAG2	-69.03	-81.97	-67.72	-74.57	-79.16	-81.34
SO	XBADJ	EPREAG2	-195.60	-198.35	-195.07	-193.69	-71.87	-67.93
SO	XBADJ	EPREAG2	-61.92	-80.16	-72.66	-62.95	-126.14	45.46
SO	XBADJ	EPREAG2	49.77	-21.67	-12.31	23.56	30.55	36.61
SO	XBADJ	EPREAG2	41.56	45.24	47.55	40.59	32.39	23.20
SO	XBADJ	EPREAG2	13.31	3.02	-7.37	-40.89	0.00	-54.00
SO	YBADJ	EPREAG2	50.51	48.06	55.45	37.62	28.53	18.57
SO	YBADJ	EPREAG2	49.75	18.46	-13.39	-44.84	-33.24	-41.79
SO	YBADJ	EPREAG2	-49.06	-43.19	-49.08	-65.08	-43.39	-60.05
SO	YBADJ	EPREAG2	-50.51	-48.06	-55.45	-37.62	-28.53	-18.57
SO	YBADJ	EPREAG2	-8.04	2.72	13.41	23.68	33.24	41.79
SO	YBADJ	EPREAG2	49.06	43.19	49.08	65.08	0.00	60.05

```
SO EMISFACT  AREA9WE         WSPEED   0 0 0 1 1 1
SO EMISFACT  AREA2WE         WSPEED   0 0 0 1 1 1
SO EMISFACT  BYPRODWE        WSPEED   0 0 0 1 1 1

   SRCGROUP ALL
   SRCGROUP CT    CTN01-CTN16, CTS01-CTS16
   SRCGROUP BYPRD BYPRD1-BYPRD128

SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED GLADES.ROU
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE  C:\AMODMET\FTMYERS_2001.SFC
   PROFFILE  C:\AMODMET\FTMYERS_2001.PFL
   SURFDATA  12894 2001 FT_MYERS
   UAIRDATA  12842 2001 TAMPA/INT'L_ARPT
   PROFBASE  40 FEET
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
** Auto-Generated Plotfiles
   PLOTFILE 24 ALL 1ST  P2FUG2401.PLT
   PLOTFILE PERIOD ALL  P2FUGAN01.PLT
OU FINISHED
```

AERBOB RELEASE 020304

AERMOD OUTPUT FILE NUMBER 1 :P2FUG.O01
AERMOD OUTPUT FILE NUMBER 2 :P2FUG.O02
AERMOD OUTPUT FILE NUMBER 3 :P2FUG.O03
AERMOD OUTPUT FILE NUMBER 4 :P2FUG.O04
AERMOD OUTPUT FILE NUMBER 5 :P2FUG.O05
First title for last output file is: 2001 FPL ATCP GLADES PM10 PROJECT WITH MATERIAL HANDLING 11/25/06
Second title for last output file is: 2001-2005 FT. MYERS/TAMPA

AVERAGING TIME	YEAR	CONC (ug/m3)	X (m)	Y (m)	PERIOD ENDING (YYMMDDHH)
SOURCE GROUP ID:	ALL				
Annual					
	2001	0.74696	486080.	2973514.	01123124
	2002	0.69733	486080.	2973514.	02123124
	2003	0.74311	486080.	2973514.	03123124
	2004	0.70302	486080.	2973514.	04123124
	2005	0.80440	486080.	2973514.	05123124
HIGH 24-Hour					
	2001	5.45899	486080.	2973514.	01121924
	2002	4.57222	486080.	2973514.	02112124
	2003	6.89489	486113.	2973543.	03090724
	2004	6.29348	486113.	2973543.	04011524
	2005	6.23096	486113.	2973543.	05030524
SOURCE GROUP ID:	CT				
Annual					
	2001	0.11895	481592.	2972560.	01123124
	2002	0.11568	481729.	2972501.	02123124
	2003	0.10705	482095.	2972342.	03123124
	2004	0.11322	481638.	2972540.	04123124
	2005	0.11901	481683.	2972520.	05123124
HIGH 24-Hour					
	2001	1.06163	481683.	2972520.	01100424
	2002	0.84709	481274.	2972699.	02082224
	2003	0.79230	482415.	2972204.	03101824
	2004	0.78059	481229.	2972718.	04063024
	2005	0.84404	481820.	2972461.	05111324
SOURCE GROUP ID:	BYPRD				
Annual					
	2001	0.14449	486080.	2973368.	01123124
	2002	0.12750	486080.	2973319.	02123124
	2003	0.13924	486080.	2973514.	03123124
	2004	0.13035	486080.	2973465.	04123124
	2005	0.13792	486080.	2973368.	05123124
HIGH 24-Hour					
	2001	2.29744	486080.	2973514.	01121924
	2002	1.79326	486080.	2973514.	02121324
	2003	2.76478	486080.	2973514.	03090724
	2004	2.80546	486080.	2973514.	04011524
	2005	2.57581	486113.	2973543.	05030524

All receptor computations reported with respect to a user-specified origin

GRID	0.00	0.00
DISCRETE	0.00	0.00

```
CO STARTING
   TITLEONE 2001 FPL ATCP - GLADES SITE - AAQS ANALYSIS  11/18/06
   TITLETWO 24-HOUR AVERAGE SO2 IMPACTS
   MODELOPT DFAULT CONC
   AVERTIME 24
   POLLUTID SO2
   RUNORNOT RUN
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
   LOCATION UN12100  POINT  483041.0  2973720.0  6.1

**
** BACKGROUND SO2 SOURCES
**
** SOURCE LOCATIONS
**
** Atlas-Transoil Inc - South Florida Thermal Services, Inc.
SO LOCATION     ATI01           POINT   489200  2966600 1.5

** Southern Gardens Citrus Processing Corp.
SO LOCATION     SGARDBLR        POINT   487500  2957600 6.1
SO LOCATION     SGARDDRY        POINT   487500  2957600 6.1

** Glades Electric Cooperative
SO LOCATION     GLADELEC        POINT   487072  2957479 6.1

** U.S. Sugar Clewiston Mill and Refinery c
SO LOCATION     USSBLR1N        POINT   506100  2956900 6.1
SO LOCATION     USSBLR2N        POINT   506100  2956900 6.1
SO LOCATION     USSBLR4N        POINT   506100  2956900 6.1
SO LOCATION     USSBLR7N        POINT   506100  2956900 6.1
SO LOCATION     USSBLR8         POINT   506100  2956900 6.1

SO LOCATION     USSBLR7F        POINT   506100  2956900 6.1

** Okeelanta a
SO LOCATION     OKBLR16         POINT   524900  2940100 1.5

** New Hope Power Partnership (Okeelanta)
SO LOCATION     OKCOGENF        POINT   524920  2939440 1.5

** U.S. Sugar Corp. Bryant Mill
SO LOCATION     USBRY123        POINT   537830  2969120 1.5
SO LOCATION     USSBRY5         POINT   537830  2969120 1.5
SO LOCATION     USSBRY78        POINT   537830  2969120 1.5

** Sugar Cane Growers Co-Op c
SO LOCATION     SCBLR1N         POINT   534900  2953300 1.5
SO LOCATION     SCBLR2N         POINT   534900  2953300 1.5
SO LOCATION     SCBLR3N         POINT   534900  2953300 1.5
SO LOCATION     SCBLR4N         POINT   534900  2953300 1.5
SO LOCATION     SCBLR5N         POINT   534900  2953300 1.5
SO LOCATION     SCBLR8N         POINT   534900  2953300 1.5

SO LOCATION     SCBLR1F         POINT   534900  2953300 1.5
SO LOCATION     SCBLR4F         POINT   534900  2953300 1.5

** Osceola Farms
SO LOCATION     OSBLR5B         POINT   544200  2968000 1.5

** FPL - Martin Power Plant
SO LOCATION     MART12          POINT   542680  2992650 7.6
SO LOCATION     MART34          POINT   542680  2992650 7.6
SO LOCATION     MARTAUX         POINT   542680  2992650 7.6
SO LOCATION     MARTGEN         POINT   542680  2992650 7.6
SO LOCATION     MART8OIL        POINT   542680  2992650 7.6

** FPL - Fort Myers Plant
```

```
SO LOCATION      FMYHR1_6         POINT   422300  2952900 1.5
SO LOCATION      FMYCT112         POINT   422300  2952900 1.5
SO LOCATION      FMYCT3           POINT   422300  2952900 1.5

** TECO - Phillips
SO LOCATION      TECOPH1          POINT   464300  3035400 18.3
SO LOCATION      TECOPH2          POINT   464300  3035400 18.3

** Indiantown Cogeneration LP - Indiantown Plant
SO LOCATION      INDTOWN1         POINT   547650  2990700 9.1
SO LOCATION      INDTOWN3         POINT   547650  2990700 9.1

** Atlantic Sugar a
SO LOCATION      ATLSUG14         POINT   552900  2945200 1.5
SO LOCATION      ATLSUG5          POINT   552900  2945200 1.5

** Florida Power Corp D/B/A Progress Energy FL - Avon Park
SO LOCATION      PEAVON3          POINT   451400  3050500 35.1
SO LOCATION      PEAVON4          POINT   451400  3050500 35.1

**
** STACK PARAMETERS
**
** Source Parameters **
   SRCPARAM      UN12100   87.7  152.1  330.0  16.8  12.9

**       Atlas-Transoil Inc - South Florida Thermal Services, Inc.
SO SRCPARAM      ATI01            2.451   7.01    1033     37.49   0.98

**       Southern Gardens Citrus Processing Corp.
SO SRCPARAM      SGARDBLR         0.728   16.76   478      15.12   1.22
SO SRCPARAM      SGARDDRY         2.646   38.10   344      8.32    1.74

**       Glades Electric Cooperative
SO SRCPARAM      GLADELEC         6.968   3.96    778      133.35  0.25

**       U.S. Sugar Clewiston Mill and Refinery c
SO SRCPARAM      USSBLR1N         74.980  64.92   339      25.27   2.44
SO SRCPARAM      USSBLR2N         74.120  64.92   339      25.27   2.44
SO SRCPARAM      USSBLR4N         4.540   45.72   344      27.04   2.50
SO SRCPARAM      USSBLR7N         15.810  68.58   441      28.80   2.44
SO SRCPARAM      USSBLR8          8.140   60.66   430      23.07   3.32
**
** 3-HOUR RATE
** SO SRCPARAM      USSBLR1N         74.980  64.92   339      25.27   2.44
** SO SRCPARAM      USSBLR2N         74.120  64.92   339      25.27   2.44
** SO SRCPARAM      USSBLR4N         4.540   45.72   344      27.04   2.50
** SO SRCPARAM      USSBLR7N         15.810  68.58   441      28.80   2.44
** SO SRCPARAM      USSBLR8          8.140   60.66   430      23.07   3.32

SO SRCPARAM      USSBLR7F         15.813  68.58   441      28.80   2.44

**       Okeelanta a
SO SRCPARAM      OKBLR16          1.525   22.86   483      22.83   1.52

**       New Hope Power Partnership (Okeelanta)
SO SRCPARAM      OKCOGENF         57.456  60.66   451      20.63   3.05

**       U.S. Sugar Corp. Bryant Mill
SO SRCPARAM      USBRY123         57.191  19.81   344      34.60   1.65
SO SRCPARAM      USSBRY5          23.499  45.72   334      14.76   2.90
SO SRCPARAM      USSBRY78         1.512   8.53    519      12.19   0.37

**       Sugar Cane Growers Co-Op c
**       FACILITY LIMIT 14 TPD= 1166.7 LB/HR
SO SRCPARAM      SCBLR1N          75.487  45.72   342      15.12   2.13
SO SRCPARAM      SCBLR2N          75.461  45.72   342      15.58   2.13
SO SRCPARAM      SCBLR3N          0.000   54.86   342      12.28   1.62
SO SRCPARAM      SCBLR4N          0.000   54.86   345      16.49   2.72
SO SRCPARAM      SCBLR5N          0.000   45.72   344      23.50   2.13
SO SRCPARAM      SCBLR8N          0.000   47.24   341      11.46   2.90
** SO SRCPARAM      SCBLR3N          55.400  54.86   342      12.28   1.62
** SO SRCPARAM      SCBLR4N          130.020 54.86   345      16.49   2.72
** SO SRCPARAM      SCBLR5N          99.890  45.72   344      23.50   2.13
** SO SRCPARAM      SCBLR8N          49.690  47.24   341      11.46   2.90
```

```
SO SRCPARAM     SCBLR1F          75.487  19.81   342     15.12   2.13
SO SRCPARAM     SCBLR4F          71.514  54.86   345     16.49   2.72

**      Osceola Farms
SO SRCPARAM     OSBLR5B          147.281 27.43   339     14.23   1.52

**      FPL - Martin Power Plant
SO SRCPARAM     MART12           1743.84 152.10  443     20.94   7.99
SO SRCPARAM     MART34           470.400 64.92   411     18.90   6.10
SO SRCPARAM     MARTAUX          12.900  18.29   535     15.24   1.10
SO SRCPARAM     MARTGEN          0.510   7.62    786     39.62   0.30
SO SRCPARAM     MART8OIL         51.962  36.58   420     22.40   5.79

**      FPL - Fort Myers Plant
SO SRCPARAM     FMYHR1_6         3.856   38.10   378     21.43   5.79
SO SRCPARAM     FMYCT1I2         604.800 9.75    797     57.73   3.47
SO SRCPARAM     FMYCT3           25.981  24.38   875     36.79   6.25

**      TECO - Phillips
SO SRCPARAM     TECOPH1          57.960  45.72   441     29.90   1.83
SO SRCPARAM     TECOPH2          57.960  45.72   450     19.20   1.83

**      Indiantown Cogeneration LP - Indiantown Plant
SO SRCPARAM     INDTOWN1         73.332  150.88  333     28.41   4.88
SO SRCPARAM     INDTOWN3         2.268   64.01   450     26.70   1.52

**      Atlantic Sugar a
SO SRCPARAM     ATLSUG14         33.428  27.43   346     17.97   1.83
SO SRCPARAM     ATLSUG5          6.098   27.43   339     19.24   1.68

**      Florida Power Corp D/B/A Progress Energy FL - Avon Park
SO SRCPARAM     PEAVON3          72.702  16.76   728     129.36  3.05
SO SRCPARAM     PEAVON4          72.702  16.76   728     129.36  3.05


** Building Downwash **
SO BUILDHGT UN12100    62.48   62.48   43.13   43.13   43.13   23.01
SO BUILDHGT UN12100    23.01   23.01    0.00   23.01   23.01   30.48
SO BUILDHGT UN12100    30.48   30.48   28.96   28.96   28.96    0.00
SO BUILDHGT UN12100     0.00    0.00    0.00   23.01   23.01   23.01
SO BUILDHGT UN12100    23.01   23.01    0.00   23.01   23.01   23.01
SO BUILDHGT UN12100    43.13   43.13   43.13   62.48   62.48   62.48

SO BUILDWID UN12100    63.03   78.78   28.73   29.63   29.63   42.66
SO BUILDWID UN12100    35.53   27.33    0.00   27.33   35.53   70.08
SO BUILDWID UN12100    74.22   76.10   72.28   75.38   76.18    0.00
SO BUILDWID UN12100     0.00    0.00    0.00   52.85   48.49   42.66
SO BUILDWID UN12100    35.53   27.33    0.00   27.33   35.53   42.66
SO BUILDWID UN12100    29.63   29.63   28.73   78.36   63.03   62.50

SC BUILDLEN UN12100    19.26  103.48   28.73   29.63   29.63   55.60
SC BUILDLEN UN12100    56.66   56.01    0.00   56.01   56.66   75.68
SC BUILDLEN UN12100    76.10   74.22   50.53   39.86   27.97    0.00
SC BUILDLEN UN12100     0.00    0.00    0.00   48.49   52.85   55.60
SC BUILDLEN UN12100    56.66   56.01    0.00   56.01   56.66   55.60
SO BUILDLEN UN12100    29.63   29.63   28.73  103.84   19.26    8.53

SO XBADJ    UN12100  -322.10 -323.62 -108.27 -110.16 -108.71  -93.10
SO XBADJ    UN12100   -94.31  -92.65    0.00   35.85   36.88 -215.04
SO XBADJ    UN12100  -215.69 -209.79 -163.61 -157.03 -145.69    0.00
SO XBADJ    UN12100     0.00    0.00    0.00   33.82   36.21   37.50
SC XBADJ    UN12100    37.64   36.65    0.00  -91.86  -93.55  -92.40
SC XBADJ    UN12100  -108.20 -109.73 -107.93 -323.77 -322.28 -310.80

SO YBADJ    UN12100     6.89  -38.91   16.55   -0.01  -16.56    9.62
SO YBADJ    UN12100    -1.86  -13.29    0.00  -13.43   -2.14   18.03
SO YBADJ    UN12100   -13.01  -43.66    4.97  -19.13  -42.65    0.00
SO YBADJ    UN12100     0.00    0.00    0.00  -31.37  -20.81   -9.62
SO YBADJ    UN12100     1.86   13.29    0.00   13.43    2.14   -9.22
SO YBADJ    UN12100    16.99    0.52  -15.97   39.28   -6.76   61.04

**      U.S. Sugar Clewiston Mill and Refinery
SO EMISFACT USSBLR1N-USSBLR8N  MONTH 1 1 1 1 0 0 0 0 0 1 1 1
SO EMISFACT USSBLR7F           MONTH 0 0 0 0 1 1 1 1 1 0 0 0
```

```
**       Sugar Cane Growers Co-Op
SO EMISFACT SCBLR1N-SCBLR8N    MONTH 1 1 1 1 0 0 0 0 0 1 1 1
SO EMISFACT SCBLR1F-SCBLR4F    MONTH 0 0 0 0 1 1 1 1 1 0 0 0

**       Atlantic Sugar
SO EMISFACT ATLSUG5-ATLSUG14   MONTH 1 1 1 1 0 0 0 0 0 1 1 1

   SRCGROUP ALL
SO FINISHED
**
**********************************
** AERMOD Receptor Pathway
**********************************
**
**
RE STARTING
   INCLUDED GLADAAQ.ROU
RE FINISHED
**
**********************************
** AERMOD Meteorology Pathway
**********************************
**
**
ME STARTING
   SURFFILE  C:\AMODMET\FTMYERS_2001.SFC
   PROFFILE  C:\AMODMET\FTMYERS_2001.PFL
   SURFDATA  12894 2001 FT_MYERS
   UAIRDATA  12842 2001 TAMPA/INT'L_ARPT
   PROFBASE  31 FEET
ME FINISHED
**
**********************************
** AERMOD Output Pathway
**********************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST 2ND
OU FINISHED
```

AERMOD OUTPUT FILE NUMBER 1 :SO2AQS1.O01
AERMOD OUTPUT FILE NUMBER 2 :SO2AQS1.O02
AERMOD OUTPUT FILE NUMBER 3 :SO2AQS1.O03
AERMOD OUTPUT FILE NUMBER 4 :SO2AQS1.O04
AERMOD OUTPUT FILE NUMBER 5 :SO2AQS1.O05
First title for last output file is: 2001 FPL ATCP - GLADES SITE - AAQS ANALYSIS 11/18/06
Second title for last output file is: 24-HOUR AVERAGE SO2 IMPACTS

AVERAGING TIME	YEAR	CONC (ug/m3)	X (m)	Y (m)	PERIOD ENDING (YYMMDDHH)
SOURCE GROUP ID:	ALL				
HIGH 24-Hour					
	2001	18.40771	484500.	2970000.	01042424
	2002	18.55747	483750.	2969750.	02100824
	2003	14.46099	484800.	2970500.	03061124
	2004	26.07638	486750.	2974500.	04103024
	2005	15.08214	486400.	2975800.	05091724
HSH 24-Hour					
	2001	14.52256	486173.	2970973.	01062724
	2002	15.05320	484500.	2970000.	02050724
	2003	13.27437	484750.	2977250.	03111724
	2004	16.46254	486400.	2972900.	04101024
	2005	12.99966	483900.	2976500.	05050524

All receptor computations reported with respect to a user-specified origin

GRID	0.00	0.00
DISCRETE	0.00	0.00

```
CO STARTING
   TITLEONE 2001 FPL ATCP - GLADES SITE - AAQS ANALYSIS  11/25/06
   TITLETWO 24-HOUR AVERAGE PM10 IMPACTS
   MODELOPT DFAULT CONC
   AVERTIME 24
   POLLUTID PM
   RUNORNOT RUN
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** NEW BOILER UNITS
   LOCATION UNIT1&2 POINT 483041.000 2973720.000 6.096
** DESCRSRC Units 1 & 2 Stack

** COOLING TOWERS
   LOCATION CTN01 POINT 482557.600 2973230.300 6.096
** DESCRSRC CT North Cell 1
   LOCATION CTN02 POINT 482574.100 2973230.200 6.096
** DESCRSRC CT North Cell 2
   LOCATION CTN03 POINT 482590.500 2973230.200 6.096
** DESCRSRC CT North Cell3
   LOCATION CTN04 POINT 482607.000 2973230.200 6.096
** DESCRSRC CT North Cell4
   LOCATION CTN05 POINT 482623.500 2973230.200 6.096
** DESCRSRC CT North Cell5
   LOCATION CTN06 POINT 482639.900 2973230.200 6.096
** DESCRSRC CT North Cell6
   LOCATION CTN07 POINT 482656.400 2973230.200 6.096
** DESCRSRC CT North Cell7
   LOCATION CTN08 POINT 482672.900 2973230.200 6.096
** DESCRSRC CT North Cell8
   LOCATION CTN09 POINT 482689.300 2973230.200 6.096
** DESCRSRC CT North Cell9
   LOCATION CTN10 POINT 482705.800 2973230.200 6.096
** DESCRSRC CT North Cell10
   LOCATION CTN11 POINT 482722.200 2973230.200 6.096
** DESCRSRC CT North Cell11
   LOCATION CTN12 POINT 482738.700 2973230.200 6.096
** DESCRSRC CT North Cell12
   LOCATION CTN13 POINT 482755.200 2973230.200 6.096
** DESCRSRC CT North Cell13
   LOCATION CTN14 POINT 482771.600 2973230.200 6.096
** DESCRSRC CT North Cell14
   LOCATION CTN15 POINT 482788.100 2973230.200 6.096
** DESCRSRC CT North Cell15
   LOCATION CTN16 POINT 482804.600 2973230.200 6.096
** DESCRSRC CT North Cell16
   LOCATION CTS01 POINT 482568.330 2973048.700 6.096
** DESCRSRC CT South Cell 1
   LOCATION CTS02 POINT 482585.100 2973048.700 6.096
** DESCRSRC CT South Cell 2
   LOCATION CTS03 POINT 482601.500 2973048.700 6.096
** DESCRSRC CT South Cell 3
   LOCATION CTS04 POINT 482618.000 2973048.700 6.096
** DESCRSRC CT South Cell 4
   LOCATION CTS05 POINT 482634.500 2973048.700 6.096
** DESCRSRC CT South Cell 5
   LOCATION CTS06 POINT 482650.900 2973048.700 6.096
** DESCRSRC CT South Cell 6
   LOCATION CTS07 POINT 482667.400 2973048.700 6.096
** DESCRSRC CT South Cell 7
   LOCATION CTS08 POINT 482683.800 2973048.700 6.096
** DESCRSRC CT South Cell 8
   LOCATION CTS09 POINT 482700.300 2973048.700 6.096
** DESCRSRC CT South Cell 9
   LOCATION CTS10 POINT 482716.800 2973048.700 6.096
** DESCRSRC CT South Cell 10
   LOCATION CTS11 POINT 482733.200 2973048.700 6.096
** DESCRSRC CT South Cell 11
```

```
   LOCATION CTS12 POINT 482749.700 2973048.700 6.096
** DESCRSRC CT South Cell 12
   LOCATION CTS13 POINT 482766.200 2973048.700 6.096
** DESCRSRC CT South Cell 13
   LOCATION CTS14 POINT 482782.600 2973048.700 6.096
** DESCRSRC CT South Cell 14
   LOCATION CTS15 POINT 482799.100 2973048.700 6.096
** DESCRSRC CT South Cell 15
   LOCATION CTS16 POINT 482815.600 2973048.700 6.096
** DESCRSRC CT South Cell 16

** MATERIAL HANDLING/ EMISSION POINTS

   LOCATION EP45 POINT 482964.270 2973899.190 6.096
** DESCRSRC Railcar Unloading Vent
   LOCATION EP46 POINT 483175.660 2974018.100 6.096
** DESCRSRC Transfer Tower 1
   LOCATION EP47 POINT 483086.780 2974017.500 6.096
** DESCRSRC Transfer Tower No. 2
   LOCATION EP61 POINT 483148.700 2973736.530 6.096
** DESCRSRC Crusher Tower
   LOCATION EP61A&B POINT 483153.260 2973742.800 6.096
** DESCRSRC Crusher Tower 61A & 61B
   LOCATION EP52 POINT 482979.980 2973413.400 6.096
** DESCRSRC Tripper to Silos Unit 1
   LOCATION EP53 POINT 483102.800 2973413.400 6.096
** DESCRSRC Tripper to Silos Unit 2
   LOCATION EP65&66 POINT 483484.440 2974005.190 6.096
** DESCRSRC Limestone Day Bins
   LOCATION EP68 POINT 483358.590 2973907.380 6.096
** DESCRSRC Rail Bottom Dumper Hopper
   LOCATION EP7072A POINT 482975.620 2973842.180 6.096
** DESCRSRC Fly Ash Silos 70, 70A, 72, & 72A
   LOCATION EPREAG1 POINT 483275.000 2973370.000 6.096
** DESCRSRC Reagent Silo- Water treatment
   LOCATION EPREAG2 POINT 483162.000 2973463.000 6.096
** DESCRSRC Reagent Silo- Boiler


** MATERIAL HANDLING/ FUGITIVE EMISSIONS

** LOCATION AREA2 AREA 483154.070 2974059.230 6.096
** DESCRSRC Active Coal Pile
   LOCATION AREA2WE AREA 483154.070 2974059.230 6.096
** DESCRSRC Active Coal Pile WIND EROSION
   LOCATION AREA2TR AREA 483154.070 2974059.230 6.096
** DESCRSRC Active Coal Pile TRUCKS
   LOCATION AREA15 AREA 482964.810 2973885.600 6.096
** DESCRSRC Railcar Unloading
** LOCATION AREA9 AREA 482882.940 2974138.340 6.096
** DESCRSRC Inactive Coal Pile
   LOCATION AREA9WE AREA 482882.940 2974138.340 6.096
** DESCRSRC Inactive Coal Pile WIND EROSION
   LOCATION AREA9TR AREA 482882.940 2974138.340 6.096
** DESCRSRC Inactive Coal Pile TRUCKS
   LOCATION AREA19 AREA 483333.240 2973991.360 6.096
** DESCRSRC Limestone Active & Inactive Piles
   LOCATION FASILO AREA 482938.750 2973834.690 6.096
** DESCRSRC Fly Ash Silo Fugitives
   LOCATION BABLR1 AREA 482967.080 2973446.000 6.096
** DESCRSRC Boiler Bottom Ash Handling
   LOCATION BABLR2 AREA 483088.780 2973446.000 6.096
** DESCRSRC Boiler 2 Bottom Ash Handling
   LOCATION AREA27 AREA 482735.310 2973811.090 6.096
** DESCRSRC Bottom Ash for Resale
   LOCATION AREA26 AREA 483266.490 2973802.620 6.096
** DESCRSRC Gypsum Pile
** LOCATION BYPROD AREA 484127.800 2973841.490 6.096
** DESCRSRC By Product Storage Area
   LOCATION BYPRODWE AREA 484127.800 2973841.490 6.096
** DESCRSRC By Product Storage Area WIND EROSION
   LOCATION BYPRODTR AREA 484127.800 2973841.490 6.096
** DESCRSRC By Product Storage Area TRUCKS

** BYPRODUCT ROAD TRAFFIC
```

```
** Line Source represented by Separated Volume Sources
** ----------------------------------------------------------------------
** LINE Source ID = BYROAD
** DESCRSRC Byproduct Paved Road
** Length of Side = 12.19
** Emission Rate =
** Vertical Dimension = 6.10
** SZINIT = 2.84
** Nodes = 5
** 483061.59, 2973780.00, 6.10, 3.05, 0.0
** 483570.00, 2973780.00, 6.10, 3.05, 10.99
** 483570.00, 2973567.00, 6.10, 3.05, 11.01
** 485330.00, 2973567.00, 6.10, 3.05, 11.21
** 486000.00, 2973540.00, 6.10, 3.05, 11.14
** ----------------------------------------------------------------------
   LOCATION BYPRD01    VOLUME 483067.690 2973780.000 6.0960
   LOCATION BYPRD02    VOLUME 483091.319 2973780.000 6.0960
   LOCATION BYPRD03    VOLUME 483114.948 2973780.000 6.0960
   LOCATION BYPRD04    VOLUME 483138.577 2973780.000 6.0960
   LOCATION BYPRD05    VOLUME 483162.207 2973780.000 6.0960
   LOCATION BYPRD06    VOLUME 483185.836 2973780.000 6.0960
   LOCATION BYPRD07    VOLUME 483209.465 2973780.000 6.0960
   LOCATION BYPRD08    VOLUME 483233.094 2973780.000 6.0960
   LOCATION BYPRD09    VOLUME 483256.724 2973780.000 6.0960
   LOCATION BYPRD10    VOLUME 483280.353 2973780.000 6.0960
   LOCATION BYPRD11    VOLUME 483303.982 2973780.000 6.0960
   LOCATION BYPRD12    VOLUME 483327.611 2973780.000 6.0960
   LOCATION BYPRD13    VOLUME 483351.241 2973780.000 6.0960
   LOCATION BYPRD14    VOLUME 483374.870 2973780.000 6.0960
   LOCATION BYPRD15    VOLUME 483398.499 2973780.000 6.0960
   LOCATION BYPRD16    VOLUME 483422.128 2973780.000 6.0960
   LOCATION BYPRD17    VOLUME 483445.758 2973780.000 6.0960
   LOCATION BYPRD18    VOLUME 483469.387 2973780.000 6.0960
   LOCATION BYPRD19    VOLUME 483493.016 2973780.000 6.0960
   LOCATION BYPRD20    VOLUME 483516.645 2973780.000 6.0960
   LOCATION BYPRD21    VOLUME 483540.275 2973780.000 6.0960
   LOCATION BYPRD22    VOLUME 483563.904 2973780.000 6.0960
   LOCATION BYPRD23    VOLUME 483570.000 2973762.429 6.0960
   LOCATION BYPRD24    VOLUME 483570.000 2973738.763 6.0960
   LOCATION BYPRD25    VOLUME 483570.000 2973715.096 6.0960
   LOCATION BYPRD26    VOLUME 483570.000 2973691.429 6.0960
   LOCATION BYPRD27    VOLUME 483570.000 2973667.763 6.0960
   LOCATION BYPRD28    VOLUME 483570.000 2973644.096 6.0960
   LOCATION BYPRD29    VOLUME 483570.000 2973620.429 6.0960
   LOCATION BYPRD30    VOLUME 483570.000 2973596.763 6.0960
   LOCATION BYPRD31    VOLUME 483570.000 2973573.096 6.0960
   LOCATION BYPRD32    VOLUME 483588.014 2973567.000 6.0960
   LOCATION BYPRD33    VOLUME 483612.123 2973567.000 6.0960
   LOCATION BYPRD34    VOLUME 483636.233 2973567.000 6.0960
   LOCATION BYPRD35    VOLUME 483660.342 2973567.000 6.0960
   LOCATION BYPRD36    VOLUME 483684.452 2973567.000 6.0960
   LOCATION BYPRD37    VOLUME 483708.562 2973567.000 6.0960
   LOCATION BYPRD38    VOLUME 483732.671 2973567.000 6.0960
   LOCATION BYPRD39    VOLUME 483756.781 2973567.000 6.0960
   LOCATION BYPRD40    VOLUME 483780.890 2973567.000 6.0960
   LOCATION BYPRD41    VOLUME 483805.000 2973567.000 6.0960
   LOCATION BYPRD42    VOLUME 483829.109 2973567.000 6.0960
   LOCATION BYPRD43    VOLUME 483853.219 2973567.000 6.0960
   LOCATION BYPRD44    VOLUME 483877.329 2973567.000 6.0960
   LOCATION BYPRD45    VOLUME 483901.438 2973567.000 6.0960
   LOCATION BYPRD46    VOLUME 483925.548 2973567.000 6.0960
   LOCATION BYPRD47    VOLUME 483949.657 2973567.000 6.0960
   LOCATION BYPRD48    VOLUME 483973.767 2973567.000 6.0960
   LOCATION BYPRD49    VOLUME 483997.877 2973567.000 6.0960
   LOCATION BYPRD50    VOLUME 484021.986 2973567.000 6.0960
   LOCATION BYPRD51    VOLUME 484046.096 2973567.000 6.0960
   LOCATION BYPRD52    VOLUME 484070.205 2973567.000 6.0960
   LOCATION BYPRD53    VOLUME 484094.315 2973567.000 6.0960
   LOCATION BYPRD54    VOLUME 484118.425 2973567.000 6.0960
   LOCATION BYPRD55    VOLUME 484142.534 2973567.000 6.0960
   LOCATION BYPRD56    VOLUME 484166.644 2973567.000 6.0960
   LOCATION BYPRD57    VOLUME 484190.753 2973567.000 6.0960
   LOCATION BYPRD58    VOLUME 484214.863 2973567.000 6.0960
   LOCATION BYPRD59    VOLUME 484238.973 2973567.000 6.0960
   LOCATION BYPRD60    VOLUME 484263.082 2973567.000 6.0960
```

```
LOCATION BYPRD61   VOLUME 484287.192 2973567.000 6.0960
LOCATION BYPRD62   VOLUME 484311.302 2973567.000 6.0960
LOCATION BYPRD63   VOLUME 484335.411 2973567.000 6.0960
LOCATION BYPRD64   VOLUME 484359.521 2973567.000 6.0960
LOCATION BYPRD65   VOLUME 484383.630 2973567.000 6.0960
LOCATION BYPRD66   VOLUME 484407.740 2973567.000 6.0960
LOCATION BYPRD67   VOLUME 484431.850 2973567.000 6.0960
LOCATION BYPRD68   VOLUME 484455.959 2973567.000 6.0960
LOCATION BYPRD69   VOLUME 484480.069 2973567.000 6.0960
LOCATION BYPRD70   VOLUME 484504.178 2973567.000 6.0960
LOCATION BYPRD71   VOLUME 484528.288 2973567.000 6.0960
LOCATION BYPRD72   VOLUME 484552.398 2973567.000 6.0960
LOCATION BYPRD73   VOLUME 484576.507 2973567.000 6.0960
LOCATION BYPRD74   VOLUME 484600.617 2973567.000 6.0960
LOCATION BYPRD75   VOLUME 484624.727 2973567.000 6.0960
LOCATION BYPRD76   VOLUME 484648.836 2973567.000 6.0960
LOCATION BYPRD77   VOLUME 484672.946 2973567.000 6.0960
LOCATION BYPRD78   VOLUME 484697.055 2973567.000 6.0960
LOCATION BYPRD79   VOLUME 484721.165 2973567.000 6.0960
LOCATION BYPRD80   VOLUME 484745.275 2973567.000 6.0960
LOCATION BYPRD81   VOLUME 484769.384 2973567.000 6.0960
LOCATION BYPRD82   VOLUME 484793.494 2973567.000 6.0960
LOCATION BYPRD83   VOLUME 484817.604 2973567.000 6.0960
LOCATION BYPRD84   VOLUME 484841.713 2973567.000 6.0960
LOCATION BYPRD85   VOLUME 484865.823 2973567.000 6.0960
LOCATION BYPRD86   VOLUME 484889.932 2973567.000 6.0960
LOCATION BYPRD87   VOLUME 484914.042 2973567.000 6.0960
LOCATION BYPRD88   VOLUME 484938.152 2973567.000 6.0960
LOCATION BYPRD89   VOLUME 484962.261 2973567.000 6.0960
LOCATION BYPRD90   VOLUME 484986.371 2973567.000 6.0960
LOCATION BYPRD91   VOLUME 485010.480 2973567.000 6.0960
LOCATION BYPRD92   VOLUME 485034.590 2973567.000 6.0960
LOCATION BYPRD93   VOLUME 485058.700 2973567.000 6.0960
LOCATION BYPRD94   VOLUME 485082.809 2973567.000 6.0960
LOCATION BYPRD95   VOLUME 485106.919 2973567.000 6.0960
LOCATION BYPRD96   VOLUME 485131.029 2973567.000 6.0960
LOCATION BYPRD97   VOLUME 485155.138 2973567.000 6.0960
LOCATION BYPRD98   VOLUME 485179.248 2973567.000 6.0960
LOCATION BYPRD99   VOLUME 485203.357 2973567.000 6.0960
LOCATION BYPRD100  VOLUME 485227.467 2973567.000 6.0960
LOCATION BYPRD101  VOLUME 485251.577 2973567.000 6.0960
LOCATION BYPRD102  VOLUME 485275.686 2973567.000 6.0960
LOCATION BYPRD103  VOLUME 485299.796 2973567.000 6.0960
LOCATION BYPRD104  VOLUME 485323.906 2973567.000 6.0960
LOCATION BYPRD105  VOLUME 485347.838 2973566.281 6.0960
LOCATION BYPRD106  VOLUME 485371.766 2973565.317 6.0960
LOCATION BYPRD107  VOLUME 485395.695 2973564.353 6.0960
LOCATION BYPRD108  VOLUME 485419.623 2973563.388 6.0960
LOCATION BYPRD109  VOLUME 485443.552 2973562.424 6.0960
LOCATION BYPRD110  VOLUME 485467.480 2973561.460 6.0960
LOCATION BYPRD111  VOLUME 485491.409 2973560.495 6.0960
LOCATION BYPRD112  VOLUME 485515.338 2973559.531 6.0960
LOCATION BYPRD113  VOLUME 485539.266 2973558.567 6.0960
LOCATION BYPRD114  VOLUME 485563.195 2973557.603 6.0960
LOCATION BYPRD115  VOLUME 485587.123 2973556.638 6.0960
LOCATION BYPRD116  VOLUME 485611.052 2973555.674 6.0960
LOCATION BYPRD117  VOLUME 485634.980 2973554.710 6.0960
LOCATION BYPRD118  VOLUME 485658.909 2973553.745 6.0960
LOCATION BYPRD119  VOLUME 485682.838 2973552.781 6.0960
LOCATION BYPRD120  VOLUME 485706.766 2973551.817 6.0960
LOCATION BYPRD121  VOLUME 485730.695 2973550.853 6.0960
LOCATION BYPRD122  VOLUME 485754.623 2973549.888 6.0960
LOCATION BYPRD123  VOLUME 485778.552 2973548.924 6.0960
LOCATION BYPRD124  VOLUME 485802.480 2973547.960 6.0960
LOCATION BYPRD125  VOLUME 485826.409 2973546.995 6.0960
LOCATION BYPRD126  VOLUME 485850.338 2973546.031 6.0960
LOCATION BYPRD127  VOLUME 485874.266 2973545.067 6.0960
LOCATION BYPRD128  VOLUME 485898.195 2973544.103 6.0960
LOCATION BYPRD129  VOLUME 485922.123 2973543.138 6.0960
LOCATION BYPRD130  VOLUME 485946.052 2973542.174 6.0960
LOCATION BYPRD131  VOLUME 485969.980 2973541.210 6.0960
LOCATION BYPRD132  VOLUME 485993.909 2973540.245 6.0960
LOCATION BYPRD133  VOLUME 486017.838 2973540.245 6.0960
LOCATION BYPRD134  VOLUME 486041.767 2973540.245 6.0960
LOCATION BYPRD135  VOLUME 486065.696 2973540.245 6.0960
```

```
** End of Line Source

**
** BACKGROUND PM10 SOURCES
**
** SOURCE LOCATIONS
**
** U.S. Sugar Clewiston Mill and Refinery c
SO LOCATION      USSBLR1N         POINT    506100   2956900 6.1
SO LOCATION      USSBLR2N         POINT    506100   2956900 6.1
SO LOCATION      USSBLR4N         POINT    506100   2956900 6.1
SO LOCATION      USSBLR7N         POINT    506100   2956900 6.1
SO LOCATION      USSBLR8          POINT    506100   2956900 6.1

SO LOCATION      USSBLR7F         POINT    506100   2956900 6.1

** Okeelanta a
SO LOCATION      OKBLR16          POINT    524900   2940100 1.5

** New Hope Power Partnership (Okeelanta)
SO LOCATION      OKCOGENF         POINT    524920   2939440 1.5

** U.S. Sugar Corp. Bryant Mill
SO LOCATION      USBRY123         POINT    537830   2969120 1.5
SO LOCATION      USSBRY5          POINT    537830   2969120 1.5

** Sugar Cane Growers Co-Op c
SO LOCATION      SCBLR1N          POINT    534900   2953300 1.5
SO LOCATION      SCBLR2N          POINT    534900   2953300 1.5
SO LOCATION      SCBLR3N          POINT    534900   2953300 1.5
SO LOCATION      SCBLR4N          POINT    534900   2953300 1.5
SO LOCATION      SCBLR5N          POINT    534900   2953300 1.5
SO LOCATION      SCBLR8N          POINT    534900   2953300 1.5

SO LOCATION      SCBLR1F          POINT    534900   2953300 1.5
SO LOCATION      SCBLR4F          POINT    534900   2953300 1.5

** FPL - Martin Power Plant
SO LOCATION      MART12           POINT    542680   2992650 7.6
SO LOCATION      MART34           POINT    542680   2992650 7.6
SO LOCATION      MARTAUX          POINT    542680   2992650 7.6
SO LOCATION      MARTGEN          POINT    542680   2992650 7.6
SO LOCATION      MART8OIL         POINT    542680   2992650 7.6

** FPL - Fort Myers Plant
SO LOCATION      FMYHR1_6         POINT    422300   2952900 1.5
SO LOCATION      FMYCT1I2         POINT    422300   2952900 1.5
SO LOCATION      FMYCT3           POINT    422300   2952900 1.5

**
** STACK PARAMETERS
**
** Source Parameters **
 SRCPARAM UNIT1&2  44.9  152.4  330.0  16.8  12.9

 SRCPARAM CTN01 0.0139 18.29 309 7.13 15.1
 SRCPARAM CTN02 0.0139 18.29 309 7.13 15.1
 SRCPARAM CTN03 0.0139 18.29 309 7.13 15.1
 SRCPARAM CTN04 0.0139 18.29 309 7.13 15.1
 SRCPARAM CTN05 0.0139 18.29 309 7.13 15.1
 SRCPARAM CTN06 0.0139 18.29 309 7.13 15.1
 SRCPARAM CTN07 0.0139 18.29 309 7.13 15.1
 SRCPARAM CTN08 0.0139 18.29 309 7.13 15.1
 SRCPARAM CTN09 0.0139 18.29 309 7.13 15.1
 SRCPARAM CTN10 0.0139 18.29 309 7.13 15.1
 SRCPARAM CTN11 0.0139 18.29 309 7.13 15.1
 SRCPARAM CTN12 0.0139 18.29 309 7.13 15.1
 SRCPARAM CTN13 0.0139 18.29 309 7.13 15.1
 SRCPARAM CTN14 0.0139 18.29 309 7.13 15.1
 SRCPARAM CTN15 0.0139 18.29 309 7.13 15.1
 SRCPARAM CTN16 0.0139 18.29 309 7.13 15.1
 SRCPARAM CTS01 0.0139 18.29 309 7.13 15.1
 SRCPARAM CTS02 0.0139 18.29 309 7.13 15.1
 SRCPARAM CTS03 0.0139 18.29 309 7.13 15.1
```

```
   SRCPARAM CTS04 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS05 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS06 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS07 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS08 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS09 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS10 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS11 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS12 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS13 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS14 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS15 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS16 0.0139 18.29 309 7.13 15.1

   SRCPARAM EP45     0.0044  3.048  255.928 7.28000 1.219
   SRCPARAM EP46     0.0022  30.480 255.928 4.53000 0.610
   SRCPARAM EP47     0.0000  21.336 255.928 6.07000 0.610
   SRCPARAM EP61     0.0021  39.624 255.928 2.88000 0.457
   SRCPARAM EP61A&B  0.0056  39.624 255.928 6.07000 1.219
   SRCPARAM EP52     0.0478  76.200 255.928 9.30000 1.219
   SRCPARAM EP53     0.0478  76.200 255.928 9.30000 1.219
   SRCPARAM EP65&66  0.00308 42.672 255.928 2.88000 0.457
   SRCPARAM EP68     0.0012  3.048  255.928 4.85000 0.610
   SRCPARAM EP7072A  0.0324  32.004 255.928 4.85000 0.610
   SRCPARAM EPREAG1  0.0018 15.240 255.928 2.880   0.457
   SRCPARAM EPREAG2  0.0018 15.240 255.928 2.880   0.457

**   SRCPARAM AREA2    4.20E-06 21.82  45.720 347.472 0.000
   SRCPARAM AREA2WE   2.91E-06 21.82  45.720 347.472 0.000
   SRCPARAM AREA2TR   1.29E-06 21.82  45.720 347.472 0.000
   SRCPARAM AREA15   8.43E-06 3.048 45.720 15.240 0.000
**   SRCPARAM AREA9    2.43E-07 21.82  243.840 365.760 0.000
   SRCPARAM AREA9WE   1.40E-07 21.82  243.840 365.760 0.000
   SRCPARAM AREA9TR   1.03E-07 21.82  243.840 365.760 0.000
   SRCPARAM AREA19   5.11E-06 15.24  50.292 118.872 0.000
   SRCPARAM FASILO   2.66E-06 3.048 74.676 15.240 0.000
   SRCPARAM BABLR1   5.69E-06 3.048 25.603 6.706 0.000
   SRCPARAM BABLR2   5.69E-06 3.048 25.603 6.706 0.000
   SRCPARAM AREA27   1.37E-06 4.57  97.536 30.480 0.000
   SRCPARAM AREA26   2.25E-06 4.57  59.436 51.816 0.000
**   SRCPARAM BYPROD   3.11E-08 18.288 1554.88 945.12 0.000
   SRCPARAM BYPRODWE  2.38E-08 18.288 1554.88 945.12 0.000
   SRCPARAM BYPRODTR  8.85E-09 18.288 1554.88 945.12 0.000


   SRCPARAM BYPRD01    0.000791 3.05 10.99 2.84
   SRCPARAM BYPRD02    0.000791 3.05 10.99 2.84
   SRCPARAM BYPRD03    0.000791 3.05 10.99 2.84
   SRCPARAM BYPRD04    0.000791 3.05 10.99 2.84
   SRCPARAM BYPRD05    0.000791 3.05 10.99 2.84
   SRCPARAM BYPRD06    0.000791 3.05 10.99 2.84
   SRCPARAM BYPRD07    0.000791 3.05 10.99 2.84
   SRCPARAM BYPRD08    0.000791 3.05 10.99 2.84
   SRCPARAM BYPRD09    0.000791 3.05 10.99 2.84
   SRCPARAM BYPRD10    0.000791 3.05 10.99 2.84
   SRCPARAM BYPRD11    0.000791 3.05 10.99 2.84
   SRCPARAM BYPRD12    0.000791 3.05 10.99 2.84
   SRCPARAM BYPRD13    0.000791 3.05 10.99 2.84
   SRCPARAM BYPRD14    0.000791 3.05 10.99 2.84
   SRCPARAM BYPRD15    0.000791 3.05 10.99 2.84
   SRCPARAM BYPRD16    0.000791 3.05 10.99 2.84
   SRCPARAM BYPRD17    0.000791 3.05 10.99 2.84
   SRCPARAM BYPRD18    0.000791 3.05 10.99 2.84
   SRCPARAM BYPRD19    0.000791 3.05 10.99 2.84
   SRCPARAM BYPRD20    0.000791 3.05 10.99 2.84
   SRCPARAM BYPRD21    0.000791 3.05 10.99 2.84
   SRCPARAM BYPRD22    0.000791 3.05 10.99 2.84
   SRCPARAM BYPRD23    0.000791 3.05 11.01 2.84
   SRCPARAM BYPRD24    0.000791 3.05 11.01 2.84
   SRCPARAM BYPRD25    0.000791 3.05 11.01 2.84
   SRCPARAM BYPRD26    0.000791 3.05 11.01 2.84
   SRCPARAM BYPRD27    0.000791 3.05 11.01 2.84
   SRCPARAM BYPRD28    0.000791 3.05 11.01 2.84
   SRCPARAM BYPRD29    0.000791 3.05 11.01 2.84
   SRCPARAM BYPRD30    0.000791 3.05 11.01 2.84
```

```
SRCPARAM BYPRD31    0.000791 3.05 11.01 2.84
SRCPARAM BYPRD32    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD33    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD34    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD35    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD36    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD37    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD38    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD39    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD40    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD41    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD42    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD43    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD44    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD45    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD46    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD47    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD48    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD49    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD50    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD51    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD52    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD53    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD54    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD55    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD56    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD57    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD58    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD59    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD60    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD61    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD62    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD63    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD64    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD65    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD66    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD67    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD68    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD69    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD70    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD71    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD72    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD73    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD74    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD75    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD76    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD77    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD78    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD79    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD80    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD81    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD82    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD83    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD84    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD85    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD86    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD87    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD88    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD89    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD90    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD91    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD92    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD93    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD94    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD95    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD96    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD97    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD98    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD99    0.000791 3.05 11.21 2.84
SRCPARAM BYPRD100   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD101   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD102   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD103   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD104   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD105   0.000791 3.05 11.14 2.84
```

```
   SRCPARAM BYPRD106  0.000791 3.05 11.14 2.84
   SRCPARAM BYPRD107  0.000791 3.05 11.14 2.84
   SRCPARAM BYPRD108  0.000791 3.05 11.14 2.84
   SRCPARAM BYPRD109  0.000791 3.05 11.14 2.84
   SRCPARAM BYPRD110  0.000791 3.05 11.14 2.84
   SRCPARAM BYPRD111  0.000791 3.05 11.14 2.84
   SRCPARAM BYPRD112  0.000791 3.05 11.14 2.84
   SRCPARAM BYPRD113  0.000791 3.05 11.14 2.84
   SRCPARAM BYPRD114  0.000791 3.05 11.14 2.84
   SRCPARAM BYPRD115  0.000791 3.05 11.14 2.84
   SRCPARAM BYPRD116  0.000791 3.05 11.14 2.84
   SRCPARAM BYPRD117  0.000791 3.05 11.14 2.84
   SRCPARAM BYPRD118  0.000791 3.05 11.14 2.84
   SRCPARAM BYPRD119  0.000791 3.05 11.14 2.84
   SRCPARAM BYPRD120  0.000791 3.05 11.14 2.84
   SRCPARAM BYPRD121  0.000791 3.05 11.14 2.84
   SRCPARAM BYPRD122  0.000791 3.05 11.14 2.84
   SRCPARAM BYPRD123  0.000791 3.05 11.14 2.84
   SRCPARAM BYPRD124  0.000791 3.05 11.14 2.84
   SRCPARAM BYPRD125  0.000791 3.05 11.14 2.84
   SRCPARAM BYPRD126  0.000791 3.05 11.14 2.84
   SRCPARAM BYPRD127  0.000791 3.05 11.14 2.84
   SRCPARAM BYPRD128  0.000791 3.05 11.14 2.84
   SRCPARAM BYPRD129  0.000791 3.05 11.14 2.84
   SRCPARAM BYPRD130  0.000791 3.05 11.14 2.84
   SRCPARAM BYPRD131  0.000791 3.05 11.14 2.84
   SRCPARAM BYPRD132  0.000791 3.05 11.14 2.84
   SRCPARAM BYPRD133  0.000791 3.05 11.14 2.84
   SRCPARAM BYPRD134  0.000791 3.05 11.14 2.84
   SRCPARAM BYPRD135  0.000791 3.05 11.14 2.84

**      U.S. Sugar Clewiston Mill and Refinery c
SO SRCPARAM     USSBLR1N        14.500  64.92   339     25.27   2.44
SO SRCPARAM     USSBLR2N        14.500  64.92   339     25.27   2.44
SO SRCPARAM     USSBLR4N        10.500  45.72   344     27.04   2.50
SO SRCPARAM     USSBLR7N         2.790  68.58   441     28.80   2.44
SO SRCPARAM     USSBLR8          3.060  60.66   430     23.07   3.32
**
SO SRCPARAM     USSBLR7F         2.800  68.58   441     28.80   2.44

**      Okeelanta a
SO SRCPARAM     OKBLR16         0.770   22.86   483     22.83   1.52

**      New Hope Power Partnership (Okeelanta)
SO SRCPARAM     OKCOGENF         8.130  60.66   451     20.63   3.05

**      U.S. Sugar Corp. Bryant Mill
SO SRCPARAM     USBRY123        43.660  19.81   344     34.60   1.65
SO SRCPARAM     USSBRY5         11.030  45.72   334     14.76   2.90

**      Sugar Cane Growers Co-Op c
SO SRCPARAM     SCBLR1N          8.400  45.72   342     15.12   2.13
SO SRCPARAM     SCBLR2N          8.320  45.72   342     15.58   2.13
SO SRCPARAM     SCBLR3N          6.620  54.86   342     12.28   1.62
SO SRCPARAM     SCBLR4N         14.430  54.86   345     16.49   2.72
SO SRCPARAM     SCBLR5N         13.830  45.72   344     23.50   2.13
SO SRCPARAM     SCBLR8N          9.530  47.24   341     11.46   2.90

SO SRCPARAM     SCBLR1F          8.400  19.81   342     15.12   2.13
SO SRCPARAM     SCBLR4F         14.430  54.86   345     16.49   2.72

**      FPL - Martin Power Plant
SO SRCPARAM     MART12          227.81  152.10  443     20.94   7.99
SO SRCPARAM     MART34           30.54  64.92   411     18.90   6.10
SO SRCPARAM     MARTAUX           0.01  18.29   535     15.24   1.10
SO SRCPARAM     MARTGEN           0.27  7.62    786     39.62   0.30
SO SRCPARAM     MART8OIL         18.65  36.58   420     22.40   5.79

**      FPL - Fort Myers Plant
SO SRCPARAM     FMYHR1_6          7.56  38.10   378     21.43   5.79
SO SRCPARAM     FMYCT1I2         78.40  9.75    797     57.73   3.47
SO SRCPARAM     FMYCT3            4.28  24.38   875     36.79   6.25

** Building Downwash **
SO BUILDHGT UNIT1&2    62.48   62.48   43.13   43.13   43.13   23.01
```

```
SO BUILDHGT UNIT1&2    23.01   23.01    0.00   23.01   23.01   30.48
SO BUILDHGT UNIT1&2    30.48   30.48   28.96   28.96   28.96    0.00
SO BUILDHGT UNIT1&2     0.00    0.00    0.00   23.01   23.01   23.01
SO BUILDHGT UNIT1&2    23.01   23.01    0.00   23.01   23.01   23.01
SO BUILDHGT UNIT1&2    43.13   43.13   43.13   62.48   62.48   62.48
SO BUILDWID UNIT1&2    63.03   78.78   28.73   29.63   29.63   42.66
SO BUILDWID UNIT1&2    35.53   27.33    0.00   27.33   35.53   70.08
SO BUILDWID UNIT1&2    74.22   76.10   72.28   75.38   76.18    0.00
SO BUILDWID UNIT1&2     0.00    0.00    0.00   52.85   48.49   42.66
SO BUILDWID UNIT1&2    35.53   27.33    0.00   27.33   35.53   42.66
SO BUILDWID UNIT1&2    29.63   29.63   28.73   78.36   63.03   62.50
SO BUILDLEN UNIT1&2    19.26  103.48   28.73   29.63   29.63   55.60
SO BUILDLEN UNIT1&2    56.66   56.01    0.00   56.01   56.66   75.68
SO BUILDLEN UNIT1&2    76.10   74.22   50.53   39.86   27.97    0.00
SO BUILDLEN UNIT1&2     0.00    0.00    0.00   48.49   52.85   55.60
SO BUILDLEN UNIT1&2    56.66   56.01    0.00   56.01   56.66   55.60
SO BUILDLEN UNIT1&2    29.63   29.63   28.73  103.84   19.26    8.53
SO XBADJ    UNIT1&2  -322.10 -323.62 -108.27 -110.16 -108.71  -93.10
SO XBADJ    UNIT1&2   -94.31  -92.65    0.00   35.85   36.88 -215.04
SO XBADJ    UNIT1&2  -215.69 -209.79 -163.61 -157.03 -145.69    0.00
SO XBADJ    UNIT1&2     0.00    0.00    0.00   33.82   36.21   37.50
SO XBADJ    UNIT1&2    37.64   36.65    0.00  -91.86  -93.55  -92.40
SO XBADJ    UNIT1&2  -108.20 -109.73 -107.93 -323.77 -322.28 -310.80
SO YBADJ    UNIT1&2     6.89  -38.91   16.55   -0.01  -16.56    9.62
SO YBADJ    UNIT1&2    -1.86  -13.29    0.00  -13.43   -2.14   18.03
SO YBADJ    UNIT1&2   -13.01  -43.66    4.97  -19.13  -42.65    0.00
SO YBADJ    UNIT1&2     0.00    0.00    0.00  -31.37  -20.81   -9.62
SO YBADJ    UNIT1&2     1.86   13.29    0.00   13.43    2.14   -9.22
SO YBADJ    UNIT1&2    16.99    0.52  -15.97   39.28   -6.76   61.04


SO BUILDHGT CTN01      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN01      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN01      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN01      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN01      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN01      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTN01     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN01     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN01     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTN01     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN01     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN01     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTN01      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN01     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN01     222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTN01      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN01     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN01     222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTN01     -16.61  -17.30  -17.47  -17.10  -16.21  -14.83
SO XBADJ    CTN01     -13.00  -10.77   -8.22  -11.14  -13.71  -15.87
SO XBADJ    CTN01     -17.55  -18.69  -19.26  -19.25  -18.66  -17.50
SO XBADJ    CTN01     -61.48 -103.60 -142.56 -177.20 -206.45 -229.43
SO XBADJ    CTN01    -245.44 -253.99 -254.82 -253.63 -244.73 -228.39
SO XBADJ    CTN01    -205.12 -175.61 -140.76 -101.64  -59.44  -15.42
SO YBADJ    CTN01    -121.25 -115.51 -106.26  -93.78  -78.46  -60.75
SO YBADJ    CTN01     -41.19  -20.39    1.04   22.43   43.15   62.55
SO YBADJ    CTN01      80.05   95.12  107.30  116.22  121.61  123.30
SO YBADJ    CTN01     121.25  115.51  106.26   93.78   78.46   60.75
SO YBADJ    CTN01      41.19   20.39   -1.04  -22.43  -43.15  -62.55
SO YBADJ    CTN01     -80.05  -95.12 -107.30 -116.22 -121.61 -123.30


SO BUILDHGT CTN02      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN02      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN02      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN02      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN02      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN02      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTN02     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN02     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN02     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTN02     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN02     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN02     194.30  222.66  244.26  258.44  264.76  263.04
```

```
SO BUILDLEN CTN02      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN02     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN02     222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTN02      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN02     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN02     222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTN02     -19.38  -22.85  -25.63  -27.63  -28.79  -29.07
SO XBADJ    CTN02     -28.47  -27.01  -24.72  -27.40  -29.25  -30.21
SO XBADJ    CTN02     -30.25  -29.37  -27.60  -24.99  -21.62  -17.60
SO XBADJ    CTN02     -58.71  -98.05 -134.40 -166.67 -193.88 -215.19
SO XBADJ    CTN02    -229.97 -237.76 -238.32 -237.36 -229.19 -214.05
SO XBADJ    CTN02    -192.41 -164.93 -132.43  -95.91  -56.47  -15.32
SO YBADJ    CTN02    -104.98  -99.97  -91.92  -81.08  -67.78  -52.41
SO YBADJ    CTN02     -35.46  -17.42    1.14   19.67   37.60   54.39
SO YBADJ    CTN02      69.52   82.54   93.06  100.75  105.37  106.80
SO YBADJ    CTN02     104.98   99.97   91.92   81.08   67.78   52.41
SO YBADJ    CTN02      35.46   17.42   -1.14  -19.67  -37.60  -54.39
SO YBADJ    CTN02     -69.52  -82.54  -93.06 -100.75 -105.37 -106.80

SO BUILDHGT CTN03      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN03      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN03      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN03      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN03      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN03      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTN03     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN03     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN03     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTN03     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN03     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN03     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTN03      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN03     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN03     222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTN03      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN03     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN03     222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTN03     -22.23  -28.46  -33.83  -38.17  -41.35  -43.27
SO XBADJ    CTN03     -43.88  -43.16  -41.12  -43.55  -44.66  -44.41
SO XBADJ    CTN03     -42.81  -39.91  -35.80  -30.60  -24.47  -17.60
SO XBADJ    CTN03     -55.87  -92.44 -126.20 -156.13 -181.31 -200.99
SO XBADJ    CTN03    -214.56 -221.60 -221.92 -221.21 -213.78 -199.85
SO XBADJ    CTN03    -179.85 -154.38 -124.23  -90.30  -53.62  -15.32
SO YBADJ    CTN03     -88.83  -84.56  -77.72  -68.52  -57.24  -44.21
SO YBADJ    CTN03     -29.85  -14.58    1.14   16.82   31.99   46.19
SO YBADJ    CTN03      58.98   69.98   78.86   85.34   89.22   90.40
SO YBADJ    CTN03      88.83   84.56   77.72   68.52   57.24   44.21
SO YBADJ    CTN03      29.85   14.58   -1.14  -16.82  -31.99  -46.19
SO YBADJ    CTN03     -58.98  -69.98  -78.86  -85.34  -89.22  -90.40

SO BUILDHGT CTN04      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN04      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN04      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN04      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN04      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN04      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTN04     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN04     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN04     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTN04     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN04     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN04     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTN04      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN04     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN04     222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTN04      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN04     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN04     222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTN04     -25.09  -34.10  -42.08  -48.78  -53.99  -57.56
SO XBADJ    CTN04     -59.39  -59.41  -57.62  -59.80  -60.17  -58.70
SO XBADJ    CTN04     -55.45  -50.52  -44.05  -36.24  -27.34  -17.60
SO XBADJ    CTN04     -53.00  -86.79 -117.95 -145.52 -168.67 -186.70
SO XBADJ    CTN04    -199.05 -205.36 -205.42 -204.96 -198.27 -185.56
```

```
SO XBADJ     CTN04    -167.21 -143.78 -115.98  -84.65  -50.76  -15.32
SO YBADJ     CTN04     -72.58  -69.05  -63.43  -55.88  -46.63  -35.96
SO YBADJ     CTN04     -24.21  -11.71    1.14   13.95   26.34   37.94
SO YBADJ     CTN04      48.37   57.34   64.57   69.83   72.97   73.90
SO YBADJ     CTN04      72.58   69.05   63.43   55.88   46.63   35.96
SO YBADJ     CTN04      24.21   11.71   -1.14  -13.95  -26.34  -37.94
SO YBADJ     CTN04     -48.37  -57.34  -64.57  -69.83  -72.97  -73.90

SO BUILDHGT  CTN05      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTN05      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTN05      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTN05      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTN05      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTN05      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID  CTN05     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID  CTN05     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID  CTN05     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID  CTN05     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID  CTN05     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID  CTN05     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN  CTN05      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN  CTN05     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN  CTN05     222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN  CTN05      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN  CTN05     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN  CTN05     222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ     CTN05     -27.96  -39.75  -50.33  -59.38  -66.63  -71.85
SO XBADJ     CTN05     -74.89  -75.66  -74.12  -76.05  -75.67  -72.99
SO XBADJ     CTN05     -68.09  -61.13  -52.30  -41.89  -30.20  -17.60
SO XBADJ     CTN05     -50.14  -81.15 -109.70 -134.92 -156.03 -172.41
SO XBADJ     CTN05    -183.55 -189.11 -188.92 -188.71 -182.77 -171.27
SO XBADJ     CTN05    -154.57 -133.17 -107.73  -79.01  -47.89  -15.32
SO YBADJ     CTN05     -56.33  -53.55  -49.14  -43.24  -36.02  -27.71
SO YBADJ     CTN05     -18.56   -8.85    1.14   11.09   20.70   29.69
SO YBADJ     CTN05      37.77   44.70   50.28   54.33   56.72   57.40
SO YBADJ     CTN05      56.33   53.55   49.14   43.24   36.02   27.71
SO YBADJ     CTN05      18.56    8.85   -1.14  -11.09  -20.70  -29.69
SO YBADJ     CTN05     -37.77  -44.70  -50.28  -54.33  -56.72  -57.40

SO BUILDHGT  CTN06      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTN06      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTN06      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTN06      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTN06      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTN06      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID  CTN06     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID  CTN06     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID  CTN06     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID  CTN06     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID  CTN06     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID  CTN06     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN  CTN06      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN  CTN06     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN  CTN06     222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN  CTN06      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN  CTN06     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN  CTN06     222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ     CTN06     -30.81  -45.36  -58.53  -69.92  -79.19  -86.05
SO XBADJ     CTN06     -90.30  -91.81  -90.52  -92.20  -91.08  -87.19
SO XBADJ     CTN06     -80.66  -71.67  -60.50  -47.50  -33.05  -17.60
SO XBADJ     CTN06     -47.29  -75.54 -101.50 -124.37 -143.47 -158.21
SO XBADJ     CTN06    -168.13 -172.95 -172.52 -172.56 -167.36 -157.07
SO XBADJ     CTN06    -142.01 -122.63  -99.53  -73.40  -45.05  -15.32
SO YBADJ     CTN06     -40.18  -38.14  -34.94  -30.68  -25.48  -19.51
SO YBADJ     CTN06     -12.95   -6.00    1.14    8.24   15.09   21.49
SO YBADJ     CTN06      27.23   32.14   36.08   38.92   40.57   41.00
SO YBADJ     CTN06      40.18   38.14   34.94   30.68   25.48   19.51
SO YBADJ     CTN06      12.95    6.00   -1.14   -8.24  -15.09  -21.49
SO YBADJ     CTN06     -27.23  -32.14  -36.08  -38.92  -40.57  -41.00

SO BUILDHGT  CTN07      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTN07      15.24   15.24   15.24   15.24   15.24   15.24
```

```
SO BUILDHGT CTN07      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN07      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN07      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN07      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTN07     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN07     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN07     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTN07     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN07     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN07     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTN07      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN07     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN07     222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTN07      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN07     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN07     222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTN07     -33.67  -51.00  -66.78  -80.53  -91.83 -100.34
SO XBADJ    CTN07    -105.81 -108.06 -107.02 -108.45 -106.59 -101.48
SO XBADJ    CTN07     -93.30  -82.27  -68.75  -53.14  -35.91  -17.60
SO XBADJ    CTN07     -44.42  -69.90  -93.25 -113.77 -130.83 -143.92
SO XBADJ    CTN07    -152.63 -156.71 -156.02 -156.31 -151.85 -142.78
SO XBADJ    CTN07    -129.37 -112.02  -91.28  -67.76  -42.18  -15.32
SO YBADJ    CTN07     -23.93  -22.63  -20.65  -18.04  -14.88  -11.26
SO YBADJ    CTN07      -7.31   -3.13    1.14    5.38    9.45   13.24
SO YBADJ    CTN07      16.62   19.50   21.79   23.41   24.32   24.50
SO YBADJ    CTN07      23.93   22.63   20.65   18.04   14.88   11.26
SO YBADJ    CTN07       7.31    3.13   -1.14   -5.38   -9.45  -13.24
SO YBADJ    CTN07     -16.62  -19.50  -21.79  -23.41  -24.32  -24.50

SO BUILDHGT CTN08      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN08      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN08      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN08      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN08      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN08      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTN08     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN08     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN08     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTN08     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN08     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN08     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTN08      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN08     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN08     222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTN08      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN08     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN08     222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTN08     -36.54  -56.64  -75.03  -91.13 -104.47 -114.63
SO XBADJ    CTN08    -121.31 -124.31 -123.52 -124.70 -122.09 -115.77
SO XBADJ    CTN08    -105.94  -92.88  -77.00  -58.78  -38.78  -17.60
SO XBADJ    CTN08     -41.56  -64.26  -85.00 -103.16 -118.19 -129.63
SO XBADJ    CTN08    -137.12 -140.46 -139.52 -140.06 -136.35 -128.49
SO XBADJ    CTN08    -116.73 -101.42  -83.03  -62.12  -39.32  -15.32
SO YBADJ    CTN08      -7.68   -7.13   -6.36   -5.40   -4.27   -3.01
SO YBADJ    CTN08      -1.67   -0.27    1.14    2.51    3.81    4.99
SO YBADJ    CTN08       6.01    6.86    7.50    7.91    8.08    8.00
SO YBADJ    CTN08       7.68    7.13    6.36    5.40    4.27    3.01
SO YBADJ    CTN08       1.67    0.27   -1.14   -2.51   -3.81   -4.99
SO YBADJ    CTN08      -6.01   -6.86   -7.50   -7.91   -8.08   -8.00

SO BUILDHGT CTN09      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN09      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN09      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN09      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN09      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN09      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTN09     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN09     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN09     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTN09     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN09     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN09     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTN09      78.10  120.90  160.03  194.30  222.66  244.26
```

```
SO BUILDLEN CTN09     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN09     222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTN09      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN09     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN09     222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTN09     -39.39  -62.25  -83.23 -101.68 -117.03 -128.84
SO XBADJ    CTN09    -136.72 -140.46 -139.92 -140.85 -137.50 -129.97
SO XBADJ    CTN09    -118.50 -103.42  -85.20  -64.39  -41.63  -17.60
SO XBADJ    CTN09     -38.71  -58.65  -76.80  -92.62 -105.63 -115.42
SO XBADJ    CTN09    -121.71 -124.31 -123.12 -123.91 -120.94 -114.29
SO XBADJ    CTN09    -104.16  -90.88  -74.83  -56.51  -36.47  -15.32
SO YBADJ    CTN09       8.47    8.28    7.84    7.17    6.27    5.19
SO YBADJ    CTN09       3.94    2.58    1.14   -0.34   -1.80   -3.21
SO YBADJ    CTN09      -4.53   -5.70   -6.71   -7.50   -8.08   -8.40
SO YBADJ    CTN09      -8.47   -8.28   -7.84   -7.17   -6.27   -5.19
SO YBADJ    CTN09      -3.94   -2.58   -1.14    0.34    1.80    3.21
SO YBADJ    CTN09       4.53    5.70    6.71    7.50    8.08    8.40

SO BUILDHGT CTN10      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN10      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN10      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN10      15.24   15.24   15.24   62.48   62.48   62.48
SO BUILDHGT CTN10      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN10      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTN10     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN10     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN10     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTN10     264.76  258.44  244.26   97.69   76.69   76.66
SO BUILDWID CTN10     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN10     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTN10      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN10     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN10     222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTN10      78.10  120.90  160.03  102.53   74.04   69.44
SO BUILDLEN CTN10     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN10     222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTN10     -42.25  -67.90  -91.48 -112.28 -129.67 -143.13
SO XBADJ    CTN10    -152.23 -156.71 -156.42 -157.10 -153.01 -144.26
SO XBADJ    CTN10    -131.14 -114.03  -93.45  -70.04  -44.49  -17.60
SO XBADJ    CTN10     -35.85  -53.00  -68.55 -395.79 -375.18 -369.30
SO XBADJ    CTN10    -106.21 -108.06 -106.62 -107.66 -105.43 -100.00
SO XBADJ    CTN10     -91.52  -80.27  -66.58  -50.86  -33.60  -15.32
SO YBADJ    CTN10      24.72   23.79   22.13   19.81   16.88   13.44
SO YBADJ    CTN10       9.59    5.45    1.14   -3.20   -7.45  -11.46
SO YBADJ    CTN10     -15.13  -18.34  -21.00  -23.01  -24.33  -24.90
SO YBADJ    CTN10     -24.72  -23.79  -22.13   70.05   20.84  -40.65
SO YBADJ    CTN10      -9.59   -5.45   -1.14    3.20    7.45   11.46
SO YBADJ    CTN10      15.13   18.34   21.00   23.01   24.32   24.90

SO BUILDHGT CTN11      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN11      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN11      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN11      15.24   15.24   15.24   63.09   63.09   62.48
SO BUILDHGT CTN11      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN11      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTN11     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN11     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN11     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTN11     264.76  258.44  244.26   71.91   77.14   76.66
SO BUILDWID CTN11     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN11     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTN11      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN11     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN11     222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTN11      78.10  120.90  160.03   77.14   71.91   69.44
SO BUILDLEN CTN11     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN11     222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTN11     -45.10  -73.51  -99.68 -122.82 -142.24 -157.33
SO XBADJ    CTN11    -167.64 -172.86 -172.82 -173.25 -168.42 -158.47
SO XBADJ    CTN11    -143.70 -124.57 -101.65  -75.65  -47.34  -17.60
SO XBADJ    CTN11     -33.00  -47.39  -60.35 -385.25 -385.92 -355.10
SO XBADJ    CTN11     -90.80  -91.91  -90.22  -91.51  -90.02  -85.79
SO XBADJ    CTN11     -78.96  -69.73  -58.38  -45.25  -30.75  -15.32
```

SO	YBADJ	CTN11	40.87	39.20	36.34	32.37	27.42	21.64
SO	YBADJ	CTN11	15.20	8.29	1.14	-6.05	-13.06	-19.66
SO	YBADJ	CTN11	-25.68	-30.91	-35.20	-38.42	-40.48	-41.30
SO	YBADJ	CTN11	-40.87	-39.20	-36.34	44.60	-15.60	-48.85
SO	YBADJ	CTN11	-15.20	-8.29	-1.14	6.05	13.06	19.66
SO	YBADJ	CTN11	25.68	30.91	35.20	38.42	40.48	41.30
SO	BUILDHGT	CTN12	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN12	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN12	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN12	15.24	15.24	15.24	63.09	63.09	62.48
SO	BUILDHGT	CTN12	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN12	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDWID	CTN12	264.76	258.44	244.26	222.66	194.30	160.03
SO	BUILDWID	CTN12	120.90	78.10	32.92	78.10	120.90	160.03
SO	BUILDWID	CTN12	194.30	222.66	244.26	258.44	264.76	263.04
SO	BUILDWID	CTN12	264.76	258.44	244.26	71.91	77.14	76.66
SO	BUILDWID	CTN12	120.90	78.10	32.92	78.10	120.90	160.03
SO	BUILDWID	CTN12	194.30	222.66	244.26	258.44	264.76	263.04
SO	BUILDLEN	CTN12	78.10	120.90	160.03	194.30	222.66	244.26
SO	BUILDLEN	CTN12	258.44	264.76	263.04	264.76	258.44	244.26
SO	BUILDLEN	CTN12	222.66	194.30	160.03	120.90	78.10	32.92
SO	BUILDLEN	CTN12	78.10	120.90	160.03	77.14	71.91	69.44
SO	BUILDLEN	CTN12	258.44	264.76	263.04	264.76	258.44	244.26
SO	BUILDLEN	CTN12	222.66	194.30	160.03	120.90	78.10	32.92
SO	XBADJ	CTN12	-47.96	-79.15	-107.93	-133.43	-154.88	-171.62
SO	XBADJ	CTN12	-183.14	-189.11	-189.32	-189.50	-183.92	-172.76
SO	XBADJ	CTN12	-156.34	-135.17	-109.90	-81.29	-50.21	-17.60
SO	XBADJ	CTN12	-30.13	-41.75	-52.10	-374.64	-373.29	-340.81
SO	XBADJ	CTN12	-75.29	-75.66	-73.72	-75.26	-74.51	-71.50
SO	XBADJ	CTN12	-66.32	-59.12	-50.13	-39.61	-27.89	-15.32
SO	YBADJ	CTN12	57.12	54.70	50.63	45.01	38.03	29.89
SO	YBADJ	CTN12	20.84	11.16	1.14	-8.92	-18.70	-27.91
SO	YBADJ	CTN12	-36.28	-43.55	-49.49	-53.93	-56.73	-57.80
SO	YBADJ	CTN12	-57.12	-54.70	-50.63	31.96	-26.20	-57.10
SO	YBADJ	CTN12	-20.84	-11.16	-1.14	8.92	18.70	27.91
SO	YBADJ	CTN12	36.28	43.55	49.49	53.93	56.73	57.80
SO	BUILDHGT	CTN13	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN13	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN13	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN13	15.24	15.24	15.24	63.09	63.09	62.48
SO	BUILDHGT	CTN13	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN13	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDWID	CTN13	264.76	258.44	244.26	222.66	194.30	160.03
SO	BUILDWID	CTN13	120.90	78.10	32.92	78.10	120.90	160.03
SO	BUILDWID	CTN13	194.30	222.66	244.26	258.44	264.76	263.04
SO	BUILDWID	CTN13	264.76	258.44	244.26	71.91	77.14	76.66
SO	BUILDWID	CTN13	120.90	78.10	32.92	78.10	120.90	160.03
SO	BUILDWID	CTN13	194.30	222.66	244.26	258.44	264.76	263.04
SO	BUILDLEN	CTN13	78.10	120.90	160.03	194.30	222.66	244.26
SO	BUILDLEN	CTN13	258.44	264.76	263.04	264.76	258.44	244.26
SO	BUILDLEN	CTN13	222.66	194.30	160.03	120.90	78.10	32.92
SO	BUILDLEN	CTN13	78.10	120.90	160.03	77.14	71.91	69.44
SO	BUILDLEN	CTN13	258.44	264.76	263.04	264.76	258.44	244.26
SO	BUILDLEN	CTN13	222.66	194.30	160.03	120.90	78.10	32.92
SO	XBADJ	CTN13	-50.83	-84.79	-116.18	-144.04	-167.52	-185.91
SO	XBADJ	CTN13	-198.65	-205.36	-205.82	-205.75	-199.43	-187.05
SO	XBADJ	CTN13	-168.98	-145.78	-118.15	-86.93	-53.07	-17.60
SO	XBADJ	CTN13	-27.27	-36.11	-43.85	-364.04	-360.65	-326.52
SO	XBADJ	CTN13	-59.79	-59.41	-57.22	-59.01	-59.01	-57.21
SO	XBADJ	CTN13	-53.68	-48.52	-41.88	-33.97	-25.02	-15.32
SO	YBADJ	CTN13	73.37	70.21	64.92	57.65	48.63	38.14
SO	YBADJ	CTN13	26.48	14.02	1.14	-11.78	-24.34	-36.16
SO	YBADJ	CTN13	-46.89	-56.19	-63.78	-69.43	-72.97	-74.30
SO	YBADJ	CTN13	-73.37	-70.21	-64.92	19.32	-36.81	-65.35
SO	YBADJ	CTN13	-26.48	-14.02	-1.14	11.78	24.34	36.16
SO	YBADJ	CTN13	46.89	56.19	63.78	69.43	72.97	74.30
SO	BUILDHGT	CTN14	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN14	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN14	15.24	15.24	15.24	15.24	15.24	15.24

```
SO BUILDHGT CTN14      15.24   15.24   63.09   63.09   63.09   15.24
SO BUILDHGT CTN14      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN14      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTN14     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN14     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN14     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTN14     264.76  258.44   64.50   71.91   77.14  160.03
SO BUILDWID CTN14     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN14     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTN14      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN14     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN14     222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTN14      78.10  120.90   80.02   77.14   71.91  244.26
SO BUILDLEN CTN14     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN14     222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTN14     -53.68  -90.40 -124.38 -154.58 -180.08 -200.11
SO XBADJ    CTN14    -214.06 -221.51 -222.22 -221.90 -214.84 -201.25
SO XBADJ    CTN14    -181.54 -156.32 -126.35  -92.54  -55.92  -17.60
SO XBADJ    CTN14     -24.42  -30.50 -348.17 -353.50 -348.08  -44.15
SO XBADJ    CTN14     -44.38  -43.26  -40.82  -42.86  -43.60  -43.01
SO XBADJ    CTN14     -41.12  -37.98  -33.68  -28.36  -22.18  -15.32
SO YBADJ    CTN14      89.52   85.62   79.12   70.21   59.17   46.34
SO YBADJ    CTN14      32.09   16.87    1.14  -14.63  -29.95  -44.36
SO YBADJ    CTN14     -57.43  -68.75  -77.98  -84.84  -89.13  -90.70
SO YBADJ    CTN14     -89.52  -85.62   60.66    6.76  -47.35  -46.34
SO YBADJ    CTN14     -32.09  -16.87   -1.14   14.63   29.95   44.36
SO YBADJ    CTN14      57.43   68.75   77.98   84.84   89.13   90.70

SO BUILDHGT CTN15      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN15      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN15      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN15      15.24   15.24   63.09   63.09   63.09   15.24
SO BUILDHGT CTN15      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN15      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTN15     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN15     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN15     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTN15     264.76  258.44   64.50   71.91   77.14  160.03
SO BUILDWID CTN15     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN15     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTN15      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN15     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN15     222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTN15      78.10  120.90   80.02   77.14   71.91  244.26
SO BUILDLEN CTN15     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN15     222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTN15     -56.54  -96.04 -132.63 -165.18 -192.72 -214.40
SO XBADJ    CTN15    -229.57 -237.76 -238.72 -238.15 -230.34 -215.54
SO XBADJ    CTN15    -194.18 -166.93 -134.60  -98.18  -58.78  -17.60
SO XBADJ    CTN15     -21.55  -24.85 -339.92 -342.89 -335.44  -29.86
SO XBADJ    CTN15     -28.87  -27.01  -24.32  -26.61  -28.09  -28.72
SO XBADJ    CTN15     -28.48  -27.37  -25.43  -22.71  -19.31  -15.32
SO YBADJ    CTN15     105.77  101.13   93.41   82.85   69.78   54.59
SO YBADJ    CTN15      37.73   19.74    1.14  -17.49  -35.60  -52.61
SO YBADJ    CTN15     -68.04  -81.39  -92.27 -100.35 -105.37 -107.20
SO YBADJ    CTN15    -105.77 -101.13   46.37   -5.88  -57.96  -54.59
SO YBADJ    CTN15     -37.73  -19.74   -1.14   17.49   35.60   52.61
SO YBADJ    CTN15      68.04   81.39   92.27  100.35  105.37  107.20

SO BUILDHGT CTN16      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN16      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN16      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN16      15.24   15.24   63.09   63.09   63.09   15.24
SO BUILDHGT CTN16      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN16      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTN16     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN16     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN16     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTN16     264.76  258.44   64.50   71.91   77.14  160.03
SO BUILDWID CTN16     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN16     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTN16      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN16     258.44  264.76  263.04  264.76  258.44  244.26
```

```
SO BUILDLEN CTN16     222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTN16      78.10  120.90   80.02   77.14   71.91  244.26
SO BUILDLEN CTN16     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN16     222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTN16     -59.41 -101.69 -140.88 -175.79 -205.36 -228.69
SO XBADJ    CTN16    -245.07 -254.01 -255.22 -254.40 -245.85 -229.83
SO XBADJ    CTN16    -206.82 -177.53 -142.85 -103.83  -61.65  -17.60
SO XBADJ    CTN16     -18.69  -19.21 -331.67 -332.28 -322.80  -15.57
SO XBADJ    CTN16     -13.37  -10.76   -7.82  -10.36  -12.59  -14.43
SO XBADJ    CTN16     -15.84  -16.76  -17.18  -17.07  -16.45  -15.32
SO YBADJ    CTN16     122.02  116.63  107.70   95.49   80.39   62.84
SO YBADJ    CTN16      43.38   22.60    1.14  -20.36  -41.24  -60.86
SO YBADJ    CTN16     -78.64  -94.03 -106.56 -115.85 -121.62 -123.70
SO YBADJ    CTN16    -122.02 -116.63   32.08  -18.52  -68.56  -62.84
SO YBADJ    CTN16     -43.38  -22.60   -1.14   20.36   41.24   60.86
SO YBADJ    CTN16      78.64   94.03  106.56  115.85  121.62  123.70

SO BUILDHGT CTS01      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS01      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS01      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS01      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS01      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS01      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS01     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS01     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS01     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS01     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS01     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS01     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS01      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS01     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS01     222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS01      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS01     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS01     222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS01     -17.71  -18.35  -18.43  -17.95  -16.93  -15.39
SO XBADJ    CTS01     -13.39  -10.97   -8.23  -10.95  -13.34  -15.32
SO XBADJ    CTS01     -16.83  -17.84  -18.30  -18.21  -17.57  -16.39
SO XBADJ    CTS01     -60.39 -102.55 -141.60 -176.35 -205.73 -228.87
SO XBADJ    CTS01    -245.05 -253.79 -254.82 -253.82 -245.10 -228.94
SO XBADJ    CTS01    -205.83 -176.46 -141.72 -102.69  -60.53  -16.53
SO YBADJ    CTS01    -121.43 -115.88 -106.81  -94.50  -79.31  -61.71
SO YBADJ    CTS01     -42.24  -21.48   -0.07   21.34   42.10   61.58
SO YBADJ    CTS01      79.20   94.40  106.74  115.83  121.41  123.29
SO YBADJ    CTS01     121.43  115.88  106.81   94.50   79.31   61.71
SO YBADJ    CTS01      42.24   21.48    0.07  -21.34  -42.10  -61.58
SO YBADJ    CTS01     -79.20  -94.40 -106.74 -115.83 -121.41 -123.29

SO BUILDHGT CTS02      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS02      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS02      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS02      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS02      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS02      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS02     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS02     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS02     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS02     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS02     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS02     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS02      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS02     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS02     222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS02      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS02     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS02     222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS02     -20.62  -24.08  -26.82  -28.73  -29.78  -29.91
SO XBADJ    CTS02     -29.14  -27.49  -25.00  -27.46  -29.09  -29.84
SO XBADJ    CTS02     -29.68  -28.62  -26.69  -23.95  -20.48  -16.39
SO XBADJ    CTS02     -57.47  -96.81 -133.21 -165.57 -192.89 -214.35
SO XBADJ    CTS02    -229.29 -237.27 -238.05 -237.30 -229.34 -214.42
SO XBADJ    CTS02    -192.98 -165.68 -133.34  -96.95  -57.62  -16.53
SO YBADJ    CTS02    -104.92 -100.13  -92.29  -81.65  -68.53  -53.33
```

```
SO YBADJ     CTS02     -36.50  -18.57   -0.07   18.43   36.36   53.20
SO YBADJ     CTS02      68.42   81.56   92.22  100.08  104.89  106.52
SO YBADJ     CTS02     104.92  100.13   92.29   81.65   68.53   53.33
SO YBADJ     CTS02      36.50   18.57    0.07  -18.43  -36.36  -53.20
SO YBADJ     CTS02     -68.42  -81.56  -92.22 -100.08 -104.89 -106.52

SO BUILDHGT  CTS03      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTS03      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTS03      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTS03      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTS03      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTS03      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID  CTS03     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID  CTS03     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID  CTS03     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID  CTS03     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID  CTS03     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID  CTS03     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN  CTS03      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN  CTS03     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN  CTS03     222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN  CTS03      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN  CTS03     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN  CTS03     222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ     CTS03     -23.47  -29.69  -35.02  -39.27  -42.34  -44.12
SO XBADJ     CTS03     -44.55  -43.64  -41.40  -43.61  -44.50  -44.04
SO XBADJ     CTS03     -42.24  -39.16  -34.89  -29.56  -23.33  -16.39
SO XBADJ     CTS03     -54.63  -91.21 -125.01 -155.02 -180.32 -200.14
SO XBADJ     CTS03    -213.88 -221.12 -221.65 -221.15 -213.93 -200.22
SO XBADJ     CTS03    -180.42 -155.14 -125.14  -91.34  -54.77  -16.53
SO YBADJ     CTS03     -88.77  -84.71  -78.09  -69.09  -57.99  -45.13
SO YBADJ     CTS03     -30.89  -15.72   -0.07   15.58   30.76   45.00
SO YBADJ     CTS03      57.88   68.99   78.01   84.66   88.74   90.12
SO YBADJ     CTS03      88.77   84.71   78.09   69.09   57.99   45.13
SO YBADJ     CTS03      30.89   15.72    0.07  -15.58  -30.76  -45.00
SO YBADJ     CTS03     -57.88  -68.99  -78.01  -84.66  -88.74  -90.12

SO BUILDHGT  CTS04      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTS04      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTS04      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTS04      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTS04      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTS04      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID  CTS04     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID  CTS04     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID  CTS04     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID  CTS04     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID  CTS04     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID  CTS04     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN  CTS04      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN  CTS04     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN  CTS04     222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN  CTS04      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN  CTS04     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN  CTS04     222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ     CTS04     -26.33  -35.34  -43.27  -49.88  -54.98  -58.41
SO XBADJ     CTS04     -60.06  -59.89  -57.90  -59.86  -60.01  -58.33
SO XBADJ     CTS04     -54.88  -49.77  -43.14  -35.20  -26.19  -16.39
SO XBADJ     CTS04     -51.76  -85.56 -116.76 -144.42 -167.68 -185.85
SO XBADJ     CTS04    -198.38 -204.87 -205.15 -204.90 -198.43 -185.93
SO XBADJ     CTS04    -167.78 -144.53 -116.89  -85.70  -51.90  -16.53
SO YBADJ     CTS04     -72.52  -69.21  -63.80  -56.45  -47.38  -36.88
SO YBADJ     CTS04     -25.25  -12.86   -0.07   12.71   25.11   36.75
SO YBADJ     CTS04      47.27   56.35   63.72   69.16   72.49   73.62
SO YBADJ     CTS04      72.52   69.21   63.80   56.45   47.38   36.88
SO YBADJ     CTS04      25.25   12.86    0.07  -12.71  -25.11  -36.75
SO YBADJ     CTS04     -47.27  -56.35  -63.72  -69.16  -72.49  -73.62

SO BUILDHGT  CTS05      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTS05      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTS05      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTS05      15.24   15.24   15.24   15.24   15.24   15.24
```

```
SO BUILDHGT CTS05      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS05      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS05     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS05     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS05     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS05     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS05     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS05     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS05      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS05     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS05     222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS05      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS05     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS05     222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS05     -29.20  -40.98  -51.52  -60.49  -67.62  -72.70
SO XBADJ    CTS05     -75.56  -76.14  -74.40  -76.11  -75.51  -72.62
SO XBADJ    CTS05     -67.52  -60.37  -51.39  -40.84  -29.06  -16.39
SO XBADJ    CTS05     -48.90  -79.92 -108.51 -133.81 -155.04 -171.57
SO XBADJ    CTS05    -182.87 -188.63 -188.65 -188.65 -182.92 -171.64
SO XBADJ    CTS05    -155.14 -133.92 -108.64  -80.06  -49.04  -16.53
SO YBADJ    CTS05     -56.27  -53.70  -49.51  -43.81  -36.77  -28.63
SO YBADJ    CTS05     -19.61   -9.99   -0.07    9.85   19.47   28.50
SO YBADJ    CTS05      36.66   43.71   49.43   53.65   56.24   57.12
SO YBADJ    CTS05      56.27   53.70   49.51   43.81   36.77   28.63
SO YBADJ    CTS05      19.61    9.99    0.07   -9.85  -19.47  -28.50
SO YBADJ    CTS05     -36.66  -43.71  -49.43  -53.65  -56.24  -57.12

SO BUILDHGT CTS06      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS06      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS06      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS06      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS06      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS06      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS06     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS06     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS06     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS06     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS06     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS06     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS06      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS06     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS06     222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS06      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS06     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS06     222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS06     -32.05  -46.59  -59.72  -71.03  -80.18  -86.90
SO XBADJ    CTS06     -90.98  -92.29  -90.80  -92.26  -90.93  -86.83
SO XBADJ    CTS06     -80.09  -70.92  -59.59  -46.45  -31.90  -16.39
SO XBADJ    CTS06     -46.05  -74.31 -100.31 -123.27 -142.48 -157.36
SO XBADJ    CTS06    -167.46 -172.47 -172.25 -172.50 -167.51 -157.44
SO XBADJ    CTS06    -142.57 -123.38 -100.44  -74.45  -46.19  -16.53
SO YBADJ    CTS06     -40.12  -38.29  -35.30  -31.24  -26.23  -20.43
SO YBADJ    CTS06     -14.00   -7.14   -0.07    7.00   13.86   20.30
SO YBADJ    CTS06      26.12   31.15   35.23   38.24   40.09   40.72
SO YBADJ    CTS06      40.12   38.29   35.30   31.24   26.23   20.43
SO YBADJ    CTS06      14.00    7.14    0.07   -7.00  -13.86  -20.30
SO YBADJ    CTS06     -26.12  -31.15  -35.23  -38.24  -40.09  -40.72

SO BUILDHGT CTS07      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS07      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS07      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS07      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS07      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS07      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS07     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS07     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS07     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS07     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS07     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS07     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS07      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS07     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS07     222.66  194.30  160.03  120.90   78.09   32.92
```

```
SO BUILDLEN CTS07       78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS07      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS07      222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS07      -34.91  -52.23  -67.97  -81.63  -92.82 -101.19
SO XBADJ    CTS07     -106.48 -108.54 -107.30 -108.51 -106.43 -101.11
SO XBADJ    CTS07      -92.73  -81.52  -67.84  -52.10  -34.77  -16.39
SO XBADJ    CTS07      -43.18  -68.67  -92.06 -112.66 -129.84 -143.07
SO XBADJ    CTS07     -151.96 -156.23 -155.75 -156.25 -152.01 -143.15
SO XBADJ    CTS07     -129.93 -112.78  -92.19  -68.80  -43.33  -16.53
SO YBADJ    CTS07      -23.87  -22.79  -21.02  -18.60  -15.63  -12.18
SO YBADJ    CTS07       -8.35   -4.28   -0.07    4.13    8.22   12.05
SO YBADJ    CTS07       15.52   18.51   20.94   22.74   23.84   24.22
SO YBADJ    CTS07       23.87   22.79   21.02   18.60   15.63   12.18
SO YBADJ    CTS07        8.35    4.28    0.07   -4.13   -8.22  -12.05
SO YBADJ    CTS07      -15.52  -18.51  -20.94  -22.74  -23.84  -24.22


SO BUILDHGT CTS08       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS08       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS08       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS08       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS08       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS08       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS08      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS08      120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS08      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS08      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS08      120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS08      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS08       78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS08      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS08      222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS08       78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS08      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS08      222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS08      -37.76  -57.84  -76.17  -92.18 -105.38 -115.39
SO XBADJ    CTS08     -121.89 -124.69 -123.70 -124.66 -121.84 -115.32
SO XBADJ    CTS08     -105.29  -92.06  -76.04  -57.70  -37.62  -16.39
SO XBADJ    CTS08      -40.33  -63.06  -83.86 -102.12 -117.28 -128.87
SO XBADJ    CTS08     -136.55 -140.07 -139.35 -140.10 -136.60 -128.94
SO XBADJ    CTS08     -117.37 -102.23  -83.99  -63.19  -40.48  -16.53
SO YBADJ    CTS08       -7.72   -7.38   -6.81   -6.04   -5.09   -3.98
SO YBADJ    CTS08       -2.74   -1.43   -0.07    1.29    2.61    3.85
SO YBADJ    CTS08        4.97    5.95    6.74    7.33    7.69    7.82
SO YBADJ    CTS08        7.72    7.38    6.81    6.04    5.09    3.98
SO YBADJ    CTS08        2.74    1.43    0.07   -1.29   -2.61   -3.85
SO YBADJ    CTS08       -4.97   -5.95   -6.74   -7.33   -7.69   -7.82


SO BUILDHGT CTS09       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS09       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS09       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS09       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS09       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS09       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS09      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS09      120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS09      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS09      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS09      120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS09      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS09       78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS09      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS09      222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS09       78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS09      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS09      222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS09      -40.63  -63.49  -84.42 -102.78 -118.02 -129.68
SO XBADJ    CTS09     -137.40 -140.94 -140.20 -140.91 -137.35 -129.61
SO XBADJ    CTS09     -117.93 -102.67  -84.29  -63.35  -40.48  -16.39
SO XBADJ    CTS09      -37.47  -57.41  -75.61  -91.52 -104.64 -114.58
SO XBADJ    CTS09     -121.04 -123.83 -122.85 -123.85 -121.09 -114.65
SO XBADJ    CTS09     -104.73  -91.63  -75.74  -57.55  -37.61  -16.53
SO YBADJ    CTS09        8.53    8.13    7.48    6.60    5.52    4.27
SO YBADJ    CTS09        2.90    1.43   -0.07   -1.58   -3.04   -4.40
```

```
SO YBADJ    CTS09      -5.63   -6.69   -7.55   -8.18   -8.56   -8.68
SO YBADJ    CTS09      -8.53   -8.13   -7.48   -6.60   -5.52   -4.27
SO YBADJ    CTS09      -2.90   -1.43    0.07    1.58    3.04    4.40
SO YBADJ    CTS09       5.63    6.69    7.55    8.18    8.56    8.68

SO BUILDHGT CTS10      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS10      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS10      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS10      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS10      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS10      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS10     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS10     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS10     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS10     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS10     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS10     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS10      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS10     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS10     222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS10      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS10     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS10     222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS10     -43.49  -69.13  -92.67 -113.39 -130.66 -143.97
SO XBADJ    CTS10    -152.90 -157.19 -156.70 -157.16 -152.85 -143.90
SO XBADJ    CTS10    -130.57 -113.28  -92.54  -68.99  -43.35  -16.39
SO XBADJ    CTS10     -34.60  -51.77  -67.36  -80.91  -92.00 -100.29
SO XBADJ    CTS10    -105.54 -107.58 -106.35 -107.60 -105.59 -100.36
SO XBADJ    CTS10     -92.09  -81.02  -67.49  -51.91  -34.75  -16.53
SO YBADJ    CTS10      24.78   23.63   21.77   19.24   16.13   12.52
SO YBADJ    CTS10       8.54    4.30   -0.07   -4.44   -8.68  -12.65
SO YBADJ    CTS10     -16.24  -19.33  -21.84  -23.68  -24.81  -25.18
SO YBADJ    CTS10     -24.78  -23.63  -21.77  -19.24  -16.13  -12.52
SO YBADJ    CTS10      -8.54   -4.30    0.07    4.44    8.68   12.65
SO YBADJ    CTS10      16.24   19.33   21.84   23.68   24.81   25.18

SO BUILDHGT CTS11      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS11      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS11      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS11      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS11      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS11      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS11     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS11     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS11     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS11     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS11     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS11     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS11      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS11     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS11     222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS11      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS11     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS11     222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS11     -46.34  -74.74 -100.87 -123.93 -143.23 -158.17
SO XBADJ    CTS11    -168.31 -173.34 -173.10 -173.31 -168.26 -158.10
SO XBADJ    CTS11    -143.13 -123.82 -100.74  -74.60  -46.19  -16.39
SO XBADJ    CTS11     -31.76  -46.16  -59.16  -70.37  -79.44  -86.09
SO XBADJ    CTS11     -90.13  -91.42  -89.95  -91.45  -90.18  -86.16
SO XBADJ    CTS11     -79.53  -70.48  -59.29  -46.30  -31.90  -16.53
SO YBADJ    CTS11      40.93   39.04   35.97   31.80   26.67   20.72
SO YBADJ    CTS11      14.15    7.15   -0.07   -7.29  -14.29  -20.85
SO YBADJ    CTS11     -26.78  -31.90  -36.04  -39.09  -40.96  -41.58
SO YBADJ    CTS11     -40.93  -39.04  -35.97  -31.80  -26.67  -20.72
SO YBADJ    CTS11     -14.15   -7.15    0.07    7.29   14.29   20.85
SO YBADJ    CTS11      26.78   31.90   36.04   39.09   40.96   41.58

SO BUILDHGT CTS12      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS12      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS12      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS12      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS12      15.24   15.24   15.24   15.24   15.24   15.24
```

```
SO BUILDHGT CTS12       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS12      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS12      120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS12      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS12      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS12      120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS12      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS12       78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS12      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS12      222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS12       78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS12      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS12      222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS12      -49.20  -80.38 -109.12 -134.53 -155.87 -172.46
SO XBADJ    CTS12     -183.82 -189.59 -189.60 -189.56 -183.77 -172.39
SO XBADJ    CTS12     -155.77 -134.42 -108.99  -80.24  -49.06  -16.39
SO XBADJ    CTS12      -28.89  -40.52  -50.91  -59.76  -66.80  -71.80
SO XBADJ    CTS12      -74.62  -75.18  -73.45  -75.20  -74.67  -71.87
SO XBADJ    CTS12      -66.89  -59.87  -51.04  -40.65  -29.03  -16.53
SO YBADJ    CTS12       57.18   54.55   50.26   44.44   37.27   28.97
SO YBADJ    CTS12       19.79   10.01   -0.07  -10.16  -19.93  -29.10
SO YBADJ    CTS12      -37.39  -44.54  -50.33  -54.60  -57.21  -58.08
SO YBADJ    CTS12      -57.18  -54.55  -50.26  -44.44  -37.27  -28.97
SO YBADJ    CTS12      -19.79  -10.01    0.07   10.16   19.93   29.10
SO YBADJ    CTS12       37.39   44.54   50.33   54.60   57.21   58.08

SO BUILDHGT CTS13       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS13       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS13       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS13       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS13       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS13       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS13      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS13      120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS13      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS13      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS13      120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS13      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS13       78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS13      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS13      222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS13       78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS13      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS13      222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS13      -52.07  -86.02 -117.37 -145.14 -168.51 -186.75
SO XBADJ    CTS13     -199.32 -205.84 -206.10 -205.81 -199.27 -186.68
SO XBADJ    CTS13     -168.41 -145.03 -117.24  -85.89  -51.93  -16.39
SO XBADJ    CTS13      -26.03  -34.87  -42.66  -49.16  -54.16  -57.51
SO XBADJ    CTS13      -59.12  -58.93  -56.95  -58.95  -59.17  -57.58
SO XBADJ    CTS13      -54.25  -49.27  -42.79  -35.01  -26.17  -16.53
SO YBADJ    CTS13       73.43   70.05   64.55   57.08   47.88   37.22
SO YBADJ    CTS13       25.44   12.88   -0.07  -13.02  -25.57  -37.35
SO YBADJ    CTS13      -47.99  -57.18  -64.62  -70.10  -73.46  -74.58
SO YBADJ    CTS13      -73.43  -70.05  -64.55  -57.08  -47.88  -37.22
SO YBADJ    CTS13      -25.44  -12.88    0.07   13.02   25.57   37.35
SO YBADJ    CTS13       47.99   57.18   64.62   70.10   73.46   74.58

SO BUILDHGT CTS14       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS14       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS14       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS14       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS14       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS14       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS14      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS14      120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS14      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS14      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS14      120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS14      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS14       78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS14      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS14      222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS14       78.09  120.90  160.03  194.30  222.66  244.26
```

```
SO BUILDLEN CTS14      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS14      222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS14      -54.92  -91.63 -125.57 -155.68 -181.07 -200.95
SO XBADJ    CTS14     -214.73 -221.99 -222.50 -221.96 -214.68 -200.88
SO XBADJ    CTS14     -180.98 -155.57 -125.44  -91.50  -54.77  -16.39
SO XBADJ    CTS14      -23.18  -29.27  -34.46  -38.61  -41.59  -43.31
SO XBADJ    CTS14      -43.71  -42.78  -40.55  -42.80  -43.76  -43.38
SO XBADJ    CTS14      -41.69  -38.73  -34.59  -29.40  -23.32  -16.53
SO YBADJ    CTS14       89.58   85.46   78.75   69.64   58.42   45.42
SO YBADJ    CTS14       31.05   15.73   -0.07  -15.87  -31.18  -45.55
SO YBADJ    CTS14      -58.53  -69.74  -78.82  -85.51  -89.61  -90.98
SO YBADJ    CTS14      -89.58  -85.46  -78.75  -69.64  -58.42  -45.42
SO YBADJ    CTS14      -31.05  -15.73    0.07   15.87   31.18   45.55
SO YBADJ    CTS14       58.53   69.74   78.82   85.51   89.61   90.98


SO BUILDHGT CTS15       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS15       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS15       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS15       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS15       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS15       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS15      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS15      120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS15      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS15      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS15      120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS15      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS15       78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS15      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS15      222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS15       78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS15      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS15      222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS15      -57.78  -97.28 -133.82 -166.29 -193.71 -215.24
SO XBADJ    CTS15     -230.24 -238.24 -239.00 -238.21 -230.19 -215.17
SO XBADJ    CTS15     -193.61 -166.18 -133.69  -97.14  -57.64  -16.39
SO XBADJ    CTS15      -20.31  -23.62  -26.21  -28.01  -28.95  -29.02
SO XBADJ    CTS15      -28.20  -26.53  -24.05  -26.55  -28.25  -29.09
SO XBADJ    CTS15      -29.05  -28.12  -26.34  -23.76  -20.46  -16.53
SO YBADJ    CTS15      105.83  100.97   93.04   82.28   69.03   53.67
SO YBADJ    CTS15       36.69   18.59   -0.07  -18.73  -36.83  -53.80
SO YBADJ    CTS15      -69.14  -82.38  -93.11 -101.02 -105.86 -107.48
SO YBADJ    CTS15     -105.83 -100.97  -93.04  -82.28  -69.03  -53.67
SO YBADJ    CTS15      -36.69  -18.59    0.07   18.73   36.83   53.80
SO YBADJ    CTS15       69.14   82.38   93.11  101.02  105.86  107.48


SO BUILDHGT CTS16       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS16       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS16       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS16       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS16       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS16       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS16      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS16      120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS16      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS16      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS16      120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS16      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS16       78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS16      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS16      222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS16       78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS16      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS16      222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS16      -60.65 -102.92 -142.07 -176.89 -206.35 -229.53
SO XBADJ    CTS16     -245.74 -254.49 -255.50 -254.46 -245.69 -229.46
SO XBADJ    CTS16     -206.25 -176.78 -141.94 -102.78  -60.50  -16.39
SO XBADJ    CTS16      -17.45  -17.98  -17.96  -17.40  -16.31  -14.73
SO XBADJ    CTS16      -12.70  -10.28   -7.55  -10.30  -12.75  -14.80
SO XBADJ    CTS16      -16.41  -17.51  -18.09  -18.12  -17.59  -16.53
SO YBADJ    CTS16      122.08  116.47  107.33   94.92   79.63   61.92
SO YBADJ    CTS16       42.33   21.46   -0.07  -21.60  -42.47  -62.05
SO YBADJ    CTS16      -79.75  -95.02 -107.40 -116.52 -122.10 -123.98
```

```
SO YBADJ    CTS16     -122.08 -116.47 -107.33  -94.92  -79.63  -61.92
SO YBADJ    CTS16      -42.33  -21.46    0.07   21.60   42.47   62.05
SO YBADJ    CTS16       79.75   95.02  107.40  116.52  122.10  123.98


SO BUILDHGT EP45        28.96   30.48   30.48   30.48   30.48   30.48
SO BUILDHGT EP45         0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP45        28.96   28.96   28.96   28.96   28.96   28.96
SO BUILDHGT EP45        28.96   28.96   28.96   28.96   28.96   30.48
SO BUILDHGT EP45         0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP45        28.96   28.96   28.96   28.96   28.96   28.96
SO BUILDWID EP45        76.18   72.95   75.68   76.10   74.22   70.08
SO BUILDWID EP45         0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP45        59.67   67.00   72.28   75.38   76.18   74.67
SO BUILDWID EP45        76.18   75.38   72.28   67.00  104.25   70.08
SO BUILDWID EP45         0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP45        59.67   67.00   72.28   75.38   76.18   74.67
SO BUILDLEN EP45        27.97   63.81   70.08   74.22   76.10   75.68
SO BUILDLEN EP45         0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP45        67.00   59.67   50.53   39.86   27.97   15.24
SO BUILDLEN EP45        27.97   39.86   50.53   59.67  144.13   75.68
SO BUILDLEN EP45         0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP45        67.00   59.67   50.53   39.86   27.97   15.24
SO XBADJ    EP45       -67.96 -125.52 -133.83 -138.07 -138.12 -133.97
SO XBADJ    EP45         0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP45        12.16   21.38   29.94   37.59   44.11   49.28
SO XBADJ    EP45        39.99   29.48   18.08    6.13   -6.01   58.29
SO XBADJ    EP45         0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP45       -79.16  -81.05  -80.47  -77.45  -72.08  -64.52
SO YBADJ    EP45       -21.56   37.99   21.16    3.68  -13.91  -31.07
SO YBADJ    EP45         0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP45       -35.96  -27.49  -18.18   -8.31    1.80   11.86
SO YBADJ    EP45        21.56   30.61   38.72   45.66   28.92   31.07
SO YBADJ    EP45         0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP45        35.96   27.49   18.18    8.31   -1.80  -11.86


SO BUILDHGT EP46         0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP46         0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP46         0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP46         0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP46         0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP46         0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP46         0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP46         0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP46         0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP46         0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP46         0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP46         0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP46         0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP46         0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP46         0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP46         0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP46         0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP46         0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP46         0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP46         0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP46         0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP46         0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP46         0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP46         0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP46         0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP46         0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP46         0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP46         0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP46         0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP46         0.00    0.00    0.00    0.00    0.00    0.00


SO BUILDHGT EP47         0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP47         0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP47         0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP47         0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP47         0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP47         0.00    0.00    0.00    0.00    0.00    0.00
```

```
SO BUILDWID EP47        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP47        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP47        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP47        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP47        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP47        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP47        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP47        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP47        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP47        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP47        0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP47        0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP47        0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP47        0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP47        0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP47        0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP47        0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP47        0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP47        0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP47        0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP47        0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP47        0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP47        0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP47        0.00    0.00    0.00    0.00    0.00    0.00


SO BUILDHGT EP61       62.48   62.48   63.09   63.09   36.58   36.58
SO BUILDHGT EP61       36.58   36.58   36.58   36.58   36.58   36.58
SO BUILDHGT EP61       36.58   36.58   36.58   36.58   36.58   36.58
SO BUILDHGT EP61       36.58   36.58   36.58   36.58   36.58   36.58
SO BUILDHGT EP61       36.58   36.58   36.58   36.58   36.58   36.58
SO BUILDHGT EP61       36.58   36.58   36.58   36.58   36.58   62.48
SO BUILDWID EP61       65.67   78.78   64.50   71.91   21.28   20.67
SO BUILDWID EP61       19.43   17.60   15.24   17.60   19.43   20.67
SO BUILDWID EP61       21.28   21.24   20.55   19.25   17.36   14.94
SO BUILDWID EP61       17.36   19.25   20.55   21.24   21.28   20.67
SO BUILDWID EP61       19.43   17.60   15.24   17.60   19.43   20.67
SO BUILDWID EP61       21.28   21.24   20.55   19.25   17.36   62.50
SO BUILDLEN EP61       99.40  103.48   80.02   77.14   21.24   20.55
SO BUILDLEN EP61       19.25   17.36   14.94   17.36   19.25   20.55
SO BUILDLEN EP61       21.24   21.28   20.67   19.43   17.60   15.24
SO BUILDLEN EP61       17.60   19.43   20.67   21.28   21.24   20.55
SO BUILDLEN EP61       19.25   17.36   14.94   17.36   19.25   20.55
SO BUILDLEN EP61       21.24   21.28   20.67   19.43   17.60   92.15
SO XBADJ    EP61     -336.09 -375.99 -358.90 -353.91  -10.21   -9.92
SO XBADJ    EP61       -9.34   -8.47   -7.34   -8.64   -9.67  -10.41
SO XBADJ    EP61      -10.84  -10.93  -10.70  -10.13   -9.26   -8.11
SO XBADJ    EP61       -9.31  -10.22  -10.82  -11.10  -11.03  -10.63
SO XBADJ    EP61       -9.91   -8.89   -7.59   -8.72   -9.57  -10.14
SO XBADJ    EP61      -10.40  -10.34   -9.97   -9.30   -8.34 -327.53
SO YBADJ    EP61       -8.77   56.64   12.75  -43.35    0.30    0.36
SO YBADJ    EP61        0.42    0.46    0.49    0.51    0.51    0.49
SO YBADJ    EP61        0.46    0.41    0.36    0.29    0.21    0.13
SO YBADJ    EP61        0.04   -0.05   -0.14   -0.22   -0.30   -0.36
SO YBADJ    EP61       -0.42   -0.46   -0.49   -0.51   -0.51   -0.49
SO YBADJ    EP61       -0.46   -0.41   -0.36   -0.29   -0.21   46.75


SO BUILDHGT EP61A&B    62.48   62.48   63.09   63.09   36.58   36.58
SO BUILDHGT EP61A&B    36.58   36.58   36.58   36.58   36.58   36.58
SO BUILDHGT EP61A&B    36.58   36.58   36.58   36.58   36.58   36.58
SO BUILDHGT EP61A&B    36.58   36.58   36.58   36.58   36.58   36.58
SO BUILDHGT EP61A&B    36.58   36.58   36.58   36.58   36.58   36.58
SO BUILDHGT EP61A&B    36.58   36.58   36.58   36.58   36.58   62.48
SO BUILDWID EP61A&B    65.67   78.78   64.50   71.91   21.28   20.67
SO BUILDWID EP61A&B    19.43   17.60   15.24   17.60   19.43   20.67
SO BUILDWID EP61A&B    21.28   21.24   20.55   19.25   17.36   14.94
SO BUILDWID EP61A&B    17.36   19.25   20.55   21.24   21.28   20.67
SO BUILDWID EP61A&B    19.43   17.60   15.24   17.60   19.43   20.67
SO BUILDWID EP61A&B    21.28   21.24   20.55   19.25   17.36   62.50
SO BUILDLEN EP61A&B    99.40  103.48   80.02   77.14   21.24   20.55
SO BUILDLEN EP61A&B    19.25   17.36   14.94   17.36   19.25   20.55
SO BUILDLEN EP61A&B    21.24   21.28   20.67   19.43   17.60   15.24
SO BUILDLEN EP61A&B    17.60   19.43   20.67   21.28   21.24   20.55
SO BUILDLEN EP61A&B    19.25   17.36   14.94   17.36   19.25   20.55
```

SO	BUILDLEN	EP61A&B	21.24	21.28	20.67	19.43	17.60	92.15
SO	XBADJ	EP61A&B	-343.06	-383.44	-366.61	-361.65	-17.73	-17.01
SO	XBADJ	EP61A&B	-15.77	-14.05	-11.90	-12.04	-11.81	-11.23
SO	XBADJ	EP61A&B	-10.30	-9.06	-7.55	-5.80	-3.88	-1.84
SO	XBADJ	EP61A&B	-2.34	-2.77	-3.11	-3.36	-3.51	-3.55
SO	XBADJ	EP61A&B	-3.48	-3.31	-3.03	-5.31	-7.43	-9.33
SO	XBADJ	EP61A&B	-10.94	-12.21	-13.12	-13.63	-13.72	-333.80
SO	YBADJ	EP61A&B	-5.37	58.78	13.57	-43.88	-1.58	-2.79
SO	YBADJ	EP61A&B	-3.91	-4.92	-5.78	-6.46	-6.95	-7.22
SO	YBADJ	EP61A&B	-7.28	-7.11	-6.73	-6.14	-5.37	-4.43
SO	YBADJ	EP61A&B	-3.36	-2.19	-0.95	0.32	1.58	2.79
SO	YBADJ	EP61A&B	3.91	4.92	5.78	6.46	6.95	7.22
SO	YBADJ	EP61A&B	7.28	7.11	6.73	6.14	5.37	51.31
SO	BUILDHGT	EP52	62.48	62.48	92.66	92.66	92.66	92.66
SO	BUILDHGT	EP52	92.66	92.66	92.66	92.66	92.66	92.66
SO	BUILDHGT	EP52	92.66	92.66	92.66	62.48	62.48	62.48
SO	BUILDHGT	EP52	62.48	62.48	92.66	92.66	92.66	92.66
SO	BUILDHGT	EP52	92.66	92.66	92.66	92.66	92.66	92.66
SO	BUILDHGT	EP52	92.66	92.66	92.66	62.48	62.48	62.48
SO	BUILDWID	EP52	63.03	78.78	44.73	48.61	51.01	51.86
SO	BUILDWID	EP52	51.15	48.87	45.11	48.87	51.15	51.86
SO	BUILDWID	EP52	51.01	48.61	44.73	78.36	63.03	62.50
SO	BUILDWID	EP52	63.03	78.78	44.73	48.61	51.01	51.86
SO	BUILDWID	EP52	51.15	48.87	45.11	48.87	51.15	51.86
SO	BUILDWID	EP52	51.01	48.61	44.73	78.36	63.03	62.50
SO	BUILDLEN	EP52	19.26	103.48	51.87	51.01	48.61	44.73
SO	BUILDLEN	EP52	39.49	33.05	25.60	33.05	39.49	44.73
SO	BUILDLEN	EP52	48.61	51.01	51.87	103.63	19.26	8.53
SO	BUILDLEN	EP52	19.26	103.48	51.87	51.01	48.61	44.73
SO	BUILDLEN	EP52	39.49	33.05	25.60	33.05	39.49	44.73
SO	BUILDLEN	EP52	48.61	51.01	51.87	103.63	19.26	8.53
SO	XBADJ	EP52	-9.56	-14.64	5.30	2.07	-1.22	101.10
SO	XBADJ	EP52	-7.59	-10.48	-13.05	-23.05	-32.36	-40.68
SO	XBADJ	EP52	-47.77	-53.40	-57.41	-89.00	-9.70	-4.34
SO	XBADJ	EP52	-9.69	-88.84	-57.17	-53.09	-47.39	-145.83
SO	XBADJ	EP52	-31.90	-22.57	-12.56	-9.99	-7.13	-4.05
SO	XBADJ	EP52	-0.84	2.39	5.54	-14.62	-9.55	-4.20
SO	YBADJ	EP52	0.03	8.61	18.32	23.46	27.89	-29.49
SO	YBADJ	EP52	34.11	35.70	36.21	35.61	33.94	31.23
SO	YBADJ	EP52	27.58	23.09	17.89	8.36	-0.01	-0.02
SO	YBADJ	EP52	-0.03	-8.61	-18.32	-23.46	-27.89	29.49
SO	YBADJ	EP52	-34.11	-35.70	-36.21	-35.61	-33.94	-31.23
SO	YBADJ	EP52	-27.58	-23.09	-17.89	-8.36	0.01	0.02
SO	BUILDHGT	EP53	62.48	62.48	92.66	92.66	92.66	92.66
SO	BUILDHGT	EP53	92.66	92.66	92.66	92.66	92.66	92.66
SO	BUILDHGT	EP53	92.66	92.66	92.66	62.48	62.48	62.48
SO	BUILDHGT	EP53	62.48	62.48	92.66	92.66	92.66	92.66
SO	BUILDHGT	EP53	92.66	92.66	92.66	92.66	92.66	92.66
SO	BUILDHGT	EP53	92.66	92.66	92.66	62.48	62.48	62.48
SO	BUILDWID	EP53	63.03	78.91	44.73	48.61	51.01	51.85
SO	BUILDWID	EP53	51.15	48.87	45.11	48.87	51.15	51.85
SO	BUILDWID	EP53	51.01	48.61	44.73	78.36	63.03	62.50
SO	BUILDWID	EP53	63.03	78.91	44.73	48.61	51.01	51.85
SO	BUILDWID	EP53	51.15	48.87	45.11	48.87	51.15	51.85
SO	BUILDWID	EP53	51.01	48.61	44.73	78.36	63.03	62.50
SO	BUILDLEN	EP53	19.26	103.64	51.87	51.01	48.61	44.73
SO	BUILDLEN	EP53	39.49	33.05	25.60	33.05	39.49	44.73
SO	BUILDLEN	EP53	48.61	51.01	51.87	103.84	19.26	8.53
SO	BUILDLEN	EP53	19.26	103.64	51.87	51.01	48.61	44.73
SO	BUILDLEN	EP53	39.49	33.05	25.60	33.05	39.49	44.73
SO	BUILDLEN	EP53	48.61	51.01	51.87	103.84	19.26	8.53
SO	XBADJ	EP53	-9.90	-15.11	4.83	1.48	-1.92	-5.27
SO	XBADJ	EP53	-8.45	-11.38	-135.87	-144.01	-147.77	-41.46
SO	XBADJ	EP53	-48.45	-53.98	-57.86	-89.31	-9.65	-4.14
SO	XBADJ	EP53	-9.35	-88.53	-56.70	-52.49	-46.69	-39.46
SO	XBADJ	EP53	-31.04	-21.67	-11.65	-9.10	-6.28	-3.27
SO	XBADJ	EP53	-0.16	2.96	5.99	-14.53	-9.61	-4.40
SO	YBADJ	EP53	0.82	9.39	19.10	24.15	28.47	31.92
SO	YBADJ	EP53	34.41	35.84	36.21	14.29	-8.07	30.77
SO	YBADJ	EP53	26.98	22.38	17.10	7.51	-0.86	-0.85
SO	YBADJ	EP53	-0.82	-9.39	-19.10	-24.15	-28.47	-31.92

```
SO YBADJ    EP53        -34.41  -35.84  -36.19  -35.44  -33.62  -30.77
SO YBADJ    EP53        -26.98  -22.38  -17.10   -7.51    0.86    0.85


SO BUILDHGT EP65&66       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP65&66       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP65&66       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP65&66       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP65&66       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP65&66       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP65&66       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP65&66       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP65&66       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP65&66       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP65&66       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP65&66       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP65&66       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP65&66       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP65&66       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP65&66       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP65&66       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP65&66       0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP65&66       0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP65&66       0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP65&66       0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP65&66       0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP65&66       0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP65&66       0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP65&66       0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP65&66       0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP65&66       0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP65&66       0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP65&66       0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP65&66       0.00    0.00    0.00    0.00    0.00    0.00


SO BUILDHGT EP68          0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP68          0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP68          0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP68          0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP68          0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP68          0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP68          0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP68          0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP68          0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP68          0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP68          0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP68          0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP68          0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP68          0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP68          0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP68          0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP68          0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP68          0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP68          0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP68          0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP68          0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP68          0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP68          0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP68          0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP68          0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP68          0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP68          0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP68          0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP68          0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP68          0.00    0.00    0.00    0.00    0.00    0.00


SO BUILDHGT EP7072A      28.96   28.96   28.96   30.48   30.48   30.48
SO BUILDHGT EP7072A      30.48   30.48   30.48   30.48   30.48   28.96
SO BUILDHGT EP7072A      28.96   28.96   28.96   28.96   28.96   28.96
SO BUILDHGT EP7072A      28.96   28.96   28.96   30.48   30.48   30.48
SO BUILDHGT EP7072A      30.48   30.48   30.48   30.48   30.48   28.96
SO BUILDHGT EP7072A      28.96   28.96   28.96   28.96   28.96   28.96
SO BUILDWID EP7072A      76.18   75.38   72.28   76.10   74.22   70.08
```

```
SO BUILDWID EP7072A    63.81   55.60   45.70   55.60   63.81   50.53
SO BUILDWID EP7072A    59.67   67.00   72.28   75.38   76.18   74.67
SO BUILDWID EP7072A    76.18   75.38   72.28   76.10   74.22   70.08
SO BUILDWID EP7072A    63.81   55.60   45.70   55.60   63.81   50.53
SO BUILDWID EP7072A    59.67   67.00   72.28   75.38   76.18   74.67
SO BUILDLEN EP7072A    27.97   39.86   50.53   74.22   76.10   75.68
SO BUILDLEN EP7072A    72.95   68.01   61.00   68.01   72.95   72.28
SO BUILDLEN EP7072A    67.00   59.67   50.53   39.86   27.97   15.24
SO BUILDLEN EP7072A    27.97   39.86   50.53   74.22   76.10   75.68
SO BUILDLEN EP7072A    72.95   68.01   61.00   68.01   72.95   72.28
SO BUILDLEN EP7072A    67.00   59.67   50.53   39.86   27.97   15.24
SO XBADJ    EP7072A   -13.79  -19.65  -24.91 -101.69 -110.17 -115.29
SO XBADJ    EP7072A  -116.92 -114.99 -109.57 -108.75 -104.63  -35.75
SO XBADJ    EP7072A   -33.18  -29.59  -25.11  -19.86  -14.01   -7.73
SO XBADJ    EP7072A   -14.19  -20.21  -25.62   27.48   34.06   39.62
SO XBADJ    EP7072A    43.97   46.98   48.57   40.74   31.68  -36.53
SO XBADJ    EP7072A   -33.82  -30.08  -25.43  -20.00  -13.97   -7.51
SO YBADJ    EP7072A    -0.49   -0.44   -0.39   49.02   37.06   23.97
SO YBADJ    EP7072A    10.16   -3.96  -17.97  -31.42  -43.92    0.35
SO YBADJ    EP7072A     0.42    0.46    0.50    0.52    0.52    0.51
SO YBADJ    EP7072A     0.49    0.44    0.39  -49.02  -37.06  -23.97
SO YBADJ    EP7072A   -10.16    3.96   17.97   31.42   43.92   -0.35
SO YBADJ    EP7072A    -0.42   -0.46   -0.50   -0.52   -0.52   -0.51

SO BUILDHGT EPREAG1    0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EPREAG1    0.00    0.00    0.00   92.66   92.66   92.66
SO BUILDHGT EPREAG1   92.66    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EPREAG1    0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EPREAG1    0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EPREAG1    0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EPREAG1    0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EPREAG1    0.00    0.00    0.00   48.87   51.15   51.87
SO BUILDWID EPREAG1   51.01    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EPREAG1    0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EPREAG1    0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EPREAG1    0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EPREAG1    0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EPREAG1    0.00    0.00    0.00   33.05   39.49   44.73
SO BUILDLEN EPREAG1   48.61    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EPREAG1    0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EPREAG1    0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EPREAG1    0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EPREAG1    0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EPREAG1    0.00    0.00    0.00 -201.07 -209.87 -212.29
SO XBADJ    EPREAG1 -208.26    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EPREAG1    0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EPREAG1    0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EPREAG1    0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EPREAG1    0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EPREAG1    0.00    0.00    0.00   48.28   15.50  -17.75
SO YBADJ    EPREAG1  -50.46    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EPREAG1    0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EPREAG1    0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EPREAG1    0.00    0.00    0.00    0.00    0.00    0.00

SO BUILDHGT EPREAG2   62.48   62.48   63.09   92.66   92.66   92.66
SO BUILDHGT EPREAG2   92.66   92.66   92.66   92.66   92.66   92.66
SO BUILDHGT EPREAG2   92.66   63.09   63.09   62.48   32.61   62.48
SO BUILDHGT EPREAG2   62.48   62.48   63.09   92.66   92.66   92.66
SO BUILDHGT EPREAG2   92.66   92.66   92.66   92.66   92.66   92.66
SO BUILDHGT EPREAG2   92.66   63.09   63.09   62.48    0.00   62.48
SO BUILDWID EPREAG2   63.03   78.91   64.50   48.61   51.01   51.87
SO BUILDWID EPREAG2   51.15   48.87   45.11   48.87   51.15   51.87
SO BUILDWID EPREAG2   51.01   71.93   64.52   78.36   80.19   62.50
SO BUILDWID EPREAG2   63.03   78.91   64.50   48.61   51.01   51.87
SO BUILDWID EPREAG2   51.15   48.87   45.11   48.87   51.15   51.87
SO BUILDWID EPREAG2   51.01   71.93   64.52   78.36    0.00   62.50
SO BUILDLEN EPREAG2   19.26  103.64   80.04   51.01   48.61   44.73
SO BUILDLEN EPREAG2   39.49   33.05   25.60   33.05   39.49   44.73
SO BUILDLEN EPREAG2   48.61   77.14   80.03  103.84   49.04    8.53
SO BUILDLEN EPREAG2   19.26  103.64   80.04   51.01   48.61   44.73
SO BUILDLEN EPREAG2   39.49   33.05   25.60   33.05   39.49   44.73
SO BUILDLEN EPREAG2   48.61   77.14   80.03  103.84    0.00    8.53
SO XBADJ    EPREAG2  -69.03  -81.97  -67.72  -74.57  -79.16  -81.34
```

```
SO XBADJ     EPREAG2  -195.60 -198.35 -195.07 -193.69  -71.87  -67.93
SO XBADJ     EPREAG2   -61.92  -80.16  -72.66  -62.95 -126.14   45.46
SO XBADJ     EPREAG2    49.77  -21.67  -12.31   23.56   30.55   36.61
SO XBADJ     EPREAG2    41.56   45.24   47.55   40.59   32.39   23.20
SO XBADJ     EPREAG2    13.31    3.02   -7.37  -40.89    0.00  -54.00
SO YBADJ     EPREAG2    50.51   48.06   55.45   37.62   28.53   18.57
SO YBADJ     EPREAG2    49.75   18.46  -13.39  -44.84  -33.24  -41.79
SO YBADJ     EPREAG2   -49.06  -43.19  -49.08  -65.08  -43.39  -60.05
SO YBADJ     EPREAG2   -50.51  -48.06  -55.45  -37.62  -28.53  -18.57
SO YBADJ     EPREAG2    -8.04    2.72   13.41   23.68   33.24   41.79
SO YBADJ     EPREAG2    49.06   43.19   49.08   65.08    0.00   60.05


SO EMISFACT  AREA9WE          WSPEED   0 0 0 1 1 1
SO EMISFACT  AREA2WE          WSPEED   0 0 0 1 1 1
SO EMISFACT  BYPRODWE         WSPEED   0 0 0 1 1 1

**      U.S. Sugar Clewiston Mill and Refinery
SO EMISFACT USSBLR1N-USSBLR8N  MONTH 1 1 1 1 0 0 0 0 0 1 1 1
SO EMISFACT USSBLR7F           MONTH 0 0 0 0 1 1 1 1 1 0 0 0

**      Sugar Cane Growers Co-Op
SO EMISFACT SCBLR1N-SCBLR8N    MONTH 1 1 1 1 0 0 0 0 0 1 1 1
SO EMISFACT SCBLR1F-SCBLR4F    MONTH 0 0 0 0 1 1 1 1 1 0 0 0

   SRCGROUP ALL

SO FINISHED
**
**********************************
** AERMOD Receptor Pathway
**********************************
**
**
RE STARTING
   INCLUDED GLADESPM.ROU
RE FINISHED
**
**********************************
** AERMOD Meteorology Pathway
**********************************
**
**
ME STARTING
   SURFFILE  C:\AMODMET\FTMYERS_2001.SFC
   PROFFILE  C:\AMODMET\FTMYERS_2001.PFL
   SURFDATA  12894 2001 FT_MYERS
   UAIRDATA  12842 2001 TAMPA/INT'L_ARPT
   PROFBASE  31 FEET
ME FINISHED
**
**********************************
** AERMOD Output Pathway
**********************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST 2ND
OU FINISHED
```

AERMOD OUTPUT FILE NUMBER 1 :PMAQS1.O01
AERMOD OUTPUT FILE NUMBER 2 :PMAQS1.O02
AERMOD OUTPUT FILE NUMBER 3 :PMAQS1.O03
AERMOD OUTPUT FILE NUMBER 4 :PMAQS1.O04
AERMOD OUTPUT FILE NUMBER 5 :PMAQS1.O05
First title for last output file is: 2001 FPL ATCP - GLADES SITE - AAQS ANALYSIS 11/25/06
Second title for last output file is: 24-HOUR AVERAGE PM10 IMPACTS

AVERAGING TIME	YEAR	CONC (ug/m3)	X (m)	Y (m)	PERIOD ENDING (YYMMDDHH)
SOURCE GROUP ID:	ALL				
HIGH 24-Hour					
	2001	5.55918	486080.	2973514.	01121924
	2002	4.68637	486080.	2973514.	02112124
	2003	7.09108	486113.	2973543.	03090724
	2004	6.70590	486113.	2973543.	04011524
	2005	6.29863	486113.	2973543.	05030524
HSH 24-Hour					
	2001	4.72711	486080.	2973514.	01041524
	2002	3.72976	486080.	2973514.	02121324
	2003	5.74501	486080.	2973514.	03102324
	2004	5.17608	486080.	2973514.	04040424
	2005	5.87362	486113.	2973543.	05052424

All receptor computations reported with respect to a user-specified origin

GRID	0.00	0.00
DISCRETE	0.00	0.00

```
CO STARTING
   TITLEONE 2001 FPL ATCP - GLADES SITE - PSD CLASS II  ANALYSIS  11/18/06
   TITLETWO 24-HOUR AVERAGE SO2 IMPACTS
   MODELOPT DFAULT CONC
   AVERTIME 24
   POLLUTID SO2
   RUNORNOT RUN
CO FINISHED
**
**********************************
** AERMOD Source Pathway
**********************************
**
**
SO STARTING
** Source Location **
   LOCATION UN12100  POINT  483041.0  2973720.0  6.1

**
** BACKGROUND SO2 SOURCES
**
** SOURCE LOCATIONS
**
** Atlas-Transoil Inc - South Florida Thermal Services, Inc.
SO LOCATION      ATI01           POINT   489200  2966600 1.5

** Southern Gardens Citrus Processing Corp.
SO LOCATION      SGARDBLR        POINT   487500  2957600 6.1
SO LOCATION      SGARDDRY        POINT   487500  2957600 6.1

** Glades Electric Cooperative
SO LOCATION      GLADELEC        POINT   487072  2957479 6.1

** U.S. Sugar Clewiston Mill and Refinery
SO LOCATION      USSBLR1N        POINT   506100  2956900 6.1
SO LOCATION      USSBLR2N        POINT   506100  2956900 6.1
SO LOCATION      USSBLR4N        POINT   506100  2956900 6.1
SO LOCATION      USSBLR7N        POINT   506100  2956900 6.1
SO LOCATION      USSBLR8         POINT   506100  2956900 6.1

SO LOCATION      USSBLR7F        POINT   506100  2956900 6.1

SO LOCATION      USSBLR1B        POINT   506100  2956900 6.1
SO LOCATION      USSBLR2B        POINT   506100  2956900 6.1
SO LOCATION      USSBLR3B        POINT   506100  2956900 6.1
SO LOCATION      EPELLET         POINT   506100  2956900 6.1
SO LOCATION      WPELLET         POINT   506100  2956900 6.1

** Okeelanta a
SO LOCATION      OKBLRB          POINT   524700  2939500 1.5

SO LOCATION      OKBLR16         POINT   524900  2940100 1.5

** New Hope Power Partnership (Okeelanta)
SO LOCATION      OKCOGENF        POINT   524920  2939440 1.5

** U.S. Sugar Corp. Bryant Mill
SO LOCATION      USBRY123        POINT   537830  2969120 1.5
SO LOCATION      USSBRY5 POINT   537830  2969120 1.5
SO LOCATION      USSBRY78        POINT   537830  2969120 1.5

SO LOCATION      USSBRY1B        POINT   537830  2969120 1.5
SO LOCATION      USBRY23B        POINT   537830  2969120 1.5

** Sugar Cane Growers Co-Opc
SO LOCATION      SCBLR1N         POINT   534900  2953300 1.5
SO LOCATION      SCBLR2N         POINT   534900  2953300 1.5
SO LOCATION      SCBLR3N         POINT   534900  2953300 1.5
SO LOCATION      SCBLR4N         POINT   534900  2953300 1.5
SO LOCATION      SCBLR5N         POINT   534900  2953300 1.5
SO LOCATION      SCBLR8N         POINT   534900  2953300 1.5

SO LOCATION      SCBLR1F         POINT   534900  2953300 1.5
SO LOCATION      SCBLR4F         POINT   534900  2953300 1.5
```

```
SO LOCATION      BLR123BF        POINT   534900  2953300 1.5

SO LOCATION      SCBLR4BF        POINT   534900  2953300 1.5
SO LOCATION      SCBLR5BF        POINT   534900  2953300 1.5
SO LOCATION      SCBLR6BF        POINT   534900  2953300 1.5
SO LOCATION      SCBLR7BF        POINT   534900  2953300 1.5

SO LOCATION      BLR123BN        POINT   534900  2953300 1.5

SO LOCATION      SCBLR4BN        POINT   534900  2953300 1.5
SO LOCATION      SCBLR5BN        POINT   534900  2953300 1.5
SO LOCATION      SCBLR6BN        POINT   534900  2953300 1.5
SO LOCATION      SCBLR7BN        POINT   534900  2953300 1.5

** Osceola Farms
SO LOCATION      OSBLR5B         POINT   544200  2968000 1.5

SO LOCATION      OSBLR1B         POINT   544200  2968000 1.5
SO LOCATION      OSBLR2B         POINT   544200  2968000 1.5
SO LOCATION      OSBLR3B         POINT   544200  2968000 1.5
SO LOCATION      OSBLR4B         POINT   544200  2968000 1.5

** FPL - Martin Power Plant
SO LOCATION      MART34          POINT   542680  2992650 7.6
SO LOCATION      MARTAUX         POINT   542680  2992650 7.6
SO LOCATION      MARTGEN         POINT   542680  2992650 7.6
SO LOCATION      MART8OIL        POINT   542680  2992650 7.6

** FPL - Fort Myers Plant
SO LOCATION      FMU1            POINT   422300  2952900 1.5
SO LOCATION      FMU2            POINT   422300  2952900 1.5
SO LOCATION      FMYHR1_6        POINT   422300  2952900 1.5
SO LOCATION      FMYCT112        POINT   422300  2952900 1.5
SO LOCATION      FMYCT3          POINT   422300  2952900 1.5

** TECO - Phillips
SO LOCATION      TECOPH1         POINT   464300  3035400 18.3
SO LOCATION      TECOPH2         POINT   464300  3035400 18.3

** Indiantown Cogeneration LP - Indiantown Plant
SO LOCATION      INDTOWN1        POINT   547650  2990700 9.1
SO LOCATION      INDTOWN3        POINT   547650  2990700 9.1

** Atlantic Sugar a
SO LOCATION      ATLSUG14        POINT   552900  2945200 1.5
SO LOCATION      ATLSUG5         POINT   552900  2945200 1.5

SO LOCATION      ATLSUG1B        POINT   552900  2945200 1.5
SO LOCATION      ATLSUG2B        POINT   552900  2945200 1.5
SO LOCATION      ATLSUG3B        POINT   552900  2945200 1.5
SO LOCATION      ATLSUG4B        POINT   552900  2945200 1.5

** TECO-Sebring/Dinner Lake
SO LOCATION      TECOSEBR        POINT   456800  3042500 32.0

**
** STACK PARAMETERS
**
** Source Parameters **
   SRCPARAM      UN12100   87.7  152.1  330.0  16.8  12.9

** Atlas-Transoil Inc - South Florida Thermal Services, Inc.
SO SRCPARAM      ATI01           2.451   7.01    1033    37.49   0.98

** Southern Gardens Citrus Processing Corp.
SO SRCPARAM      SGARDBLR        0.728   16.76   478     15.12   1.22
SO SRCPARAM      SGARDDRY        2.646   38.10   344     8.32    1.74

** Glades Electric Cooperative
SO SRCPARAM      GLADELEC        6.968   3.96    778     133.35  0.25

** U.S. Sugar Clewiston Mill and Refinery
SO SRCPARAM      USSBLR1N        74.980  64.92   339     25.27   2.44
SO SRCPARAM      USSBLR2N        74.120  64.92   339     25.27   2.44
SO SRCPARAM      USSBLR4N        4.540   45.72   344     27.04   2.50
```

```
SO SRCPARAM     USSBLR7N        15.810  68.58   441     28.80   2.44
SO SRCPARAM     USSBLR8         8.140   60.66   430     23.07   3.32
** 3-HOUR RATE
** SO SRCPARAM     USSBLR1N        74.980  64.92   339     25.27   2.44
** SO SRCPARAM     USSBLR2N        74.120  64.92   339     25.27   2.44
** SO SRCPARAM     USSBLR4N        4.540   45.72   344     27.04   2.50
** SO SRCPARAM     USSBLR7N        15.810  68.58   441     28.80   2.44
** SO SRCPARAM     USSBLR8         8.140   60.66   430     23.07   3.32

SO SRCPARAM     USSBLR7F        15.813  68.58   441     28.80   2.44

SO SRCPARAM     USSBLR1B        -58.212 23.10   344     30.18   1.86
SO SRCPARAM     USSBLR2B        -58.212 23.10   343     35.66   1.86
SO SRCPARAM     USSBLR3B        -33.201 27.43   342     14.69   2.29
SO SRCPARAM     EPELLET         -10.294 12.19   347     8.53    1.52
SO SRCPARAM     WPELLET         -10.294 15.70   347     8.53    1.52

** Okeelanta a
SO SRCPARAM     OKBLRB          -76.170 22.86   333     7.36    2.29

SO SRCPARAM     OKBLR16         1.525   22.86   483     22.83   1.52

** New Hope Power Partnership (Okeelanta)
SO SRCPARAM     OKCOGENF        57.456  60.66   451     20.63   3.05

** U.S. Sugar Corp. Bryant Mill
SO SRCPARAM     USBRY123        57.191  19.81   344     34.60   1.65
SO SRCPARAM     USSBRY5         23.499  45.72   334     14.76   2.90
SO SRCPARAM     USSBRY78        1.512   8.53    519     12.19   0.37

SO SRCPARAM     USSBRY1B        -36.500 19.81   494     44.30   1.68
SO SRCPARAM     USBRY23B        -73.000 19.81   344     37.90   1.68

** Sugar Cane Growers Co-Op c
SO SRCPARAM     SCBLR1N         75.487  45.72   342     15.12   2.13
SO SRCPARAM     SCBLR2N         75.461  45.72   342     15.58   2.13
SO SRCPARAM     SCBLR3N         0.000   54.86   342     12.28   1.62
SO SRCPARAM     SCBLR4N         0.000   54.86   345     16.49   2.72
SO SRCPARAM     SCBLR5N         0.000   45.72   344     23.50   2.13
SO SRCPARAM     SCBLR8N         0.000   47.24   341     11.46   2.90

SO SRCPARAM     SCBLR1F         75.487  19.81   342     15.12   2.13
SO SRCPARAM     SCBLR4F         71.514  54.86   345     16.49   2.72

SO SRCPARAM     BLR123BF        -82.000 24.10   475     15.94   1.68

SO SRCPARAM     SCBLR4BF        -25.906 26.20   338     9.88    1.62
SO SRCPARAM     SCBLR5BF        -39.690 24.10   528     28.42   2.03
SO SRCPARAM     SCBLR6BF        -18.610 12.20   605     6.53    1.52
SO SRCPARAM     SCBLR7BF        -44.579 12.20   606     17.20   1.52

SC SRCPARAM     BLR123BN        -51.912 24.10   475     15.94   1.68

SO SRCPARAM     SCBLR4BN        -25.906 26.20   338     9.88    1.62
SO SRCPARAM     SCBLR5BN        0.000   24.10   528     28.42   2.03
SO SRCPARAM     SCBLR6BN        0.000   12.20   605     6.53    1.52
SO SRCPARAM     SCBLR7BN        -15.347 12.20   606     17.20   1.52

** Osceola Farms
SO SRCPARAM     OSBLR5B         147.281 27.43   339     14.23   1.52

SO SRCPARAM     OSBLR1B         -5.070  22.00   342     8.18    1.52
SO SRCPARAM     OSBLR2B         -16.320 22.00   341     18.10   1.52
SO SRCPARAM     OSBLR3B         -7.260  22.00   341     14.50   1.93
SO SRCPARAM     OSBLR4B         -13.610 22.00   341     18.80   1.83

** FPL - Martin Power Plant
SO SRCPARAM     MART34          470.400 64.92   411     18.90   6.10
SO SRCPARAM     MARTAUX         12.900  18.29   535     15.24   1.10
SO SRCPARAM     MARTGEN         0.510   7.62    786     39.62   0.30
SO SRCPARAM     MART8OIL        51.962  36.58   420     22.40   5.79

** FPL - Fort Myers Plant
SO SRCPARAM     FMU1            -585.50 91.80   422     29.90   2.90
SO SRCPARAM     FMU2            -1334.0 121.20  408     19.20   5.52
```

```
SO SRCPARAM     FMYHR1_6          3.856   38.10   378     21.43   5.79
SO SRCPARAM     FMYCT112          604.800 9.75    797     57.73   3.47
SO SRCPARAM     FMYCT3            25.981  24.38   875     36.79   6.25

** TECO - Phillips
SO SRCPARAM     TECOPH1           57.960  45.72   441     29.90   1.83
SO SRCPARAM     TECOPH2           57.960  45.72   450     19.20   1.83

** Indiantown Cogeneration LP - Indiantown Plant
SO SRCPARAM     INDTOWN1          73.332  150.88  333     28.41   4.88
SO SRCPARAM     INDTOWN3          2.268   64.01   450     26.70   1.52

** Atlantic Sugar a
SO SRCPARAM     ATLSUG14          33.428  27.43   346     17.97   1.83
SO SRCPARAM     ATLSUG5           6.098   27.43   339     19.24   1.68

SO SRCPARAM     ATLSUG1B          -17.240 18.90   506     12.70   1.92
SO SRCPARAM     ATLSUG2B          -22.500 18.90   511     10.90   1.92
SO SRCPARAM     ATLSUG3B          -16.880 21.90   522     17.50   1.83
SO SRCPARAM     ATLSUG4B          -10.760 18.30   344     15.00   1.83

**      TECO-Sebring/Dinner Lake
SO SRCPARAM     TECOSEBR          -37.787 22.86   394     5.79    1.83


** Building Downwash **
SO BUILDHGT UN12100    62.48   62.48   43.13   43.13   43.13   23.01
SO BUILDHGT UN12100    23.01   23.01    0.00   23.01   23.01   30.48
SO BUILDHGT UN12100    30.48   30.48   28.96   28.96   28.96    0.00
SO BUILDHGT UN12100     0.00    0.00    0.00   23.01   23.01   23.01
SO BUILDHGT UN12100    23.01   23.01    0.00   23.01   23.01   23.01
SO BUILDHGT UN12100    43.13   43.13   43.13   62.48   62.48   62.48

SO BUILDWID UN12100    63.03   78.78   28.73   29.63   29.63   42.66
SO BUILDWID UN12100    35.53   27.33    0.00   27.33   35.53   70.08
SO BUILDWID UN12100    74.22   76.10   72.28   75.38   76.18    0.00
SO BUILDWID UN12100     0.00    0.00    0.00   52.85   48.49   42.66
SO BUILDWID UN12100    35.53   27.33    0.00   27.33   35.53   42.66
SO BUILDWID UN12100    29.63   29.63   28.73   78.36   63.03   62.50

SO BUILDLEN UN12100    19.26  103.48   28.73   29.63   29.63   55.60
SO BUILDLEN UN12100    56.66   56.01    0.00   56.01   56.66   75.68
SO BUILDLEN UN12100    76.10   74.22   50.53   39.86   27.97    0.00
SO BUILDLEN UN12100     0.00    0.00    0.00   48.49   52.85   55.60
SO BUILDLEN UN12100    56.66   56.01    0.00   56.01   56.66   55.60
SO BUILDLEN UN12100    29.63   29.63   28.73  103.84   19.26    8.53

SO XBADJ    UN12100  -322.10 -323.62 -108.27 -110.16 -108.71  -93.10
SO XBADJ    UN12100   -94.31  -92.65    0.00   35.85   36.88 -215.04
SO XBADJ    UN12100  -215.69 -209.79 -163.61 -157.03 -145.69    0.00
SO XBADJ    UN12100     0.00    0.00    0.00   33.82   36.21   37.50
SO XBADJ    UN12100    37.64   36.65    0.00  -91.86  -93.55  -92.40
SO XBADJ    UN12100  -108.20 -109.73 -107.93 -323.77 -322.28 -310.80

SO YBADJ    UN12100     6.89  -38.91   16.55   -0.01  -16.56    9.62
SO YBADJ    UN12100    -1.86  -13.29    0.00  -13.43   -2.14   18.03
SO YBADJ    UN12100   -13.01  -43.66    4.97  -19.13  -42.65    0.00
SO YBADJ    UN12100     0.00    0.00    0.00  -31.37  -20.81   -9.62
SO YBADJ    UN12100     1.86   13.29    0.00   13.43    2.14   -9.22
SO YBADJ    UN12100    16.99    0.52  -15.97   39.28   -6.76   61.04

**      U.S. Sugar Clewiston Mill and Refinery
SO EMISFACT USSBLR1N-USSBLR8N  MONTH 1 1 1 1 0 0 0 0 0 1 1 1
SO EMISFACT USSBLR7F           MONTH 0 0 0 0 1 1 1 1 1 0 0 0
SO EMISFACT USSBLR1B-USSBLR3B  MONTH 1 1 1 1 0 0 0 0 0 1 1 1
SO EMISFACT EPELLET            MONTH 1 1 1 1 0 0 0 0 0 1 1 1
SO EMISFACT WPELLET            MONTH 1 1 1 1 0 0 0 0 0 1 1 1

**      Okeelanta
SO EMISFACT OKBLRB             MONTH 1 1 1 1 0 0 0 0 0 1 1 1

**      Sugar Cane Growers Co-Op
SO EMISFACT SCBLR1N-SCBLR8N       MONTH 1 1 1 1 0 0 0 0 0 1 1 1
SO EMISFACT SCBLR1F-SCBLR4F       MONTH 0 0 0 0 1 1 1 1 1 0 0 0
SO EMISFACT BLR123BN              MONTH 1 1 1 1 0 0 0 0 0 1 1 1
```

```
SO EMISFACT SCBLR4BN-SCBLR7BN     MONTH 1 1 1 1 0 0 0 0 0 1 1 1
SO EMISFACT BLR123BF              MONTH 0 0 0 0 1 1 1 1 1 0 0 0
SO EMISFACT SCBLR4BF-SCBLR7BF     MONTH 0 0 0 0 1 1 1 1 1 0 0 0

**       Atlantic Sugar
SO EMISFACT ATLSUG5-ATLSUG14   MONTH 1 1 1 1 0 0 0 0 0 1 1 1
SO EMISFACT ATLSUG1B-ATLSUG4B  MONTH 1 1 1 1 0 0 0 0 0 1 1 1

   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED GLADAAQ.rou
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE  C:\AMODMET\FTMYERS_2001.SFC
   PROFFILE  C:\AMODMET\FTMYERS_2001.PFL
   SURFDATA  12894 2001 FT_MYERS
   UAIRDATA  12842 2001 TAMPA/INT'L_ARPT
   PROFBASE  31 FEET
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST 2ND
OU FINISHED
```

AERBOB RELEASE 020304

AERMOD OUTPUT FILE NUMBER 1 :SO2PSD2.001
AERMOD OUTPUT FILE NUMBER 2 :SO2PSD2.002
AERMOD OUTPUT FILE NUMBER 3 :SO2PSD2.003
AERMOD OUTPUT FILE NUMBER 4 :SO2PSD2.004
AERMOD OUTPUT FILE NUMBER 5 :SO2PSD2.005
First title for last output file is: 2001 FPL ATCP - GLADES SITE - PSD CLASS II ANALYSIS 11/18/06
Second title for last output file is: 24-HOUR AVERAGE SO2 IMPACTS

AVERAGING TIME	YEAR	CONC (ug/m3)	X (m)	Y (m)	PERIOD ENDING (YYMMDDHH)
SOURCE GROUP ID: ALL					
HIGH 24-Hour					
	2001	6.56019	486170.	2970727.	01100324
	2002	7.60906	483750.	2969750.	02100824
	2003	8.70646	485000.	2970250.	03061124
	2004	8.37170	480531.	2974932.	04103024
	2005	6.54939	479682.	2974087.	05111524
HSH 24-Hour					
	2001	5.77082	483834.	2971590.	01091624
	2002	6.09572	484500.	2970000.	02050724
	2003	5.87056	486170.	2970678.	03092124
	2004	6.82102	484848.	2975198.	04111224
	2005	6.12895	480683.	2972956.	05121724

All receptor computations reported with respect to a user-specified origin

GRID	0.00	0.00
DISCRETE	0.00	0.00

```
CO STARTING
   TITLEONE 2001 FPL ATCP - GLADES SITE - PSD CLASS II  ANALYSIS  11/25/06
   TITLETWO 24-HOUR AVERAGE PM10 IMPACTS
   MODELOPT DFAULT CONC
   AVERTIME 24
   POLLUTID PM
   RUNORNOT RUN
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** NEW BOILER UNITS
   LOCATION UNIT1&2 POINT 483041.000 2973720.000 6.096
** DESCRSRC Units 1 & 2 Stack

** COOLING TOWERS
   LOCATION CTN01 POINT 482557.600 2973230.300 6.096
** DESCRSRC CT North Cell 1
   LOCATION CTN02 POINT 482574.100 2973230.200 6.096
** DESCRSRC CT North Cell 2
   LOCATION CTN03 POINT 482590.500 2973230.200 6.096
** DESCRSRC CT North Cell3
   LOCATION CTN04 POINT 482607.000 2973230.200 6.096
** DESCRSRC CT North Cell4
   LOCATION CTN05 POINT 482623.500 2973230.200 6.096
** DESCRSRC CT North Cell5
   LOCATION CTN06 POINT 482639.900 2973230.200 6.096
** DESCRSRC CT North Cell6
   LOCATION CTN07 POINT 482656.400 2973230.200 6.096
** DESCRSRC CT North Cell7
   LOCATION CTN08 POINT 482672.900 2973230.200 6.096
** DESCRSRC CT North Cell8
   LOCATION CTN09 POINT 482689.300 2973230.200 6.096
** DESCRSRC CT North Cell9
   LOCATION CTN10 POINT 482705.800 2973230.200 6.096
** DESCRSRC CT North Cell10
   LOCATION CTN11 POINT 482722.200 2973230.200 6.096
** DESCRSRC CT North Cell11
   LOCATION CTN12 POINT 482738.700 2973230.200 6.096
** DESCRSRC CT North Cell12
   LOCATION CTN13 POINT 482755.200 2973230.200 6.096
** DESCRSRC CT North Cell13
   LOCATION CTN14 POINT 482771.600 2973230.200 6.096
** DESCRSRC CT North Cell14
   LOCATION CTN15 POINT 482788.100 2973230.200 6.096
** DESCRSRC CT North Cell15
   LOCATION CTN16 POINT 482804.600 2973230.200 6.096
** DESCRSRC CT North Cell16
   LOCATION CTS01 POINT 482568.330 2973048.700 6.096
** DESCRSRC CT South Cell 1
   LOCATION CTS02 POINT 482585.100 2973048.700 6.096
** DESCRSRC CT South Cell 2
   LOCATION CTS03 POINT 482601.500 2973048.700 6.096
** DESCRSRC CT South Cell 3
   LOCATION CTS04 POINT 482618.000 2973048.700 6.096
** DESCRSRC CT South Cell 4
   LOCATION CTS05 POINT 482634.500 2973048.700 6.096
** DESCRSRC CT South Cell 5
   LOCATION CTS06 POINT 482650.900 2973048.700 6.096
** DESCRSRC CT South Cell 6
   LOCATION CTS07 POINT 482667.400 2973048.700 6.096
** DESCRSRC CT South Cell 7
   LOCATION CTS08 POINT 482683.800 2973048.700 6.096
** DESCRSRC CT South Cell 8
   LOCATION CTS09 POINT 482700.300 2973048.700 6.096
** DESCRSRC CT South Cell 9
   LOCATION CTS10 POINT 482716.800 2973048.700 6.096
** DESCRSRC CT South Cell 10
   LOCATION CTS11 POINT 482733.200 2973048.700 6.096
** DESCRSRC CT South Cell 11
```

```
   LOCATION CTS12 POINT 482749.700 2973048.700 6.096
** DESCRSRC CT South Cell 12
   LOCATION CTS13 POINT 482766.200 2973048.700 6.096
** DESCRSRC CT South Cell 13
   LOCATION CTS14 POINT 482782.600 2973048.700 6.096
** DESCRSRC CT South Cell 14
   LOCATION CTS15 POINT 482799.100 2973048.700 6.096
** DESCRSRC CT South Cell 15
   LOCATION CTS16 POINT 482815.600 2973048.700 6.096
** DESCRSRC CT South Cell 16

** MATERIAL HANDLING/ EMISSION POINTS

   LOCATION EP45 POINT 482964.270 2973899.190 6.096
** DESCRSRC Railcar Unloading Vent
   LOCATION EP46 POINT 483175.660 2974018.100 6.096
** DESCRSRC Transfer Tower 1
   LOCATION EP47 POINT 483086.780 2974017.500 6.096
** DESCRSRC Transfer Tower No. 2
   LOCATION EP61 POINT 483148.700 2973736.530 6.096
** DESCRSRC Crusher Tower
   LOCATION EP61A&B POINT 483153.260 2973742.800 6.096
** DESCRSRC Crusher Tower 61A & 61B
   LOCATION EP52 POINT 482979.980 2973413.400 6.096
** DESCRSRC Tripper to Silos Unit 1
   LOCATION EP53 POINT 483102.800 2973413.400 6.096
** DESCRSRC Tripper to Silos Unit 2
   LOCATION EP65&66 POINT 483484.440 2974005.190 6.096
** DESCRSRC Limestone Day Bins
   LOCATION EP68 POINT 483358.590 2973907.380 6.096
** DESCRSRC Rail Bottom Dumper Hopper
   LOCATION EP7072A POINT 482975.620 2973842.180 6.096
** DESCRSRC Fly Ash Silos 70, 70A, 72, & 72A
   LOCATION EPREAG1 POINT 483275.000 2973370.000 6.096
** DESCRSRC Reagent Silo- Water treatment
   LOCATION EPREAG2 POINT 483162.000 2973463.000 6.096
** DESCRSRC Reagent Silo- Boiler


** MATERIAL HANDLING/ FUGITIVE EMISSIONS

** LOCATION AREA2 AREA 483154.070 2974059.230 6.096
** DESCRSRC Active Coal Pile
   LOCATION AREA2WE AREA 483154.070 2974059.230 6.096
** DESCRSRC Active Coal Pile WIND EROSION
   LOCATION AREA2TR AREA 483154.070 2974059.230 6.096
** DESCRSRC Active Coal Pile TRUCKS
   LOCATION AREA15 AREA 482964.810 2973885.600 6.096
** DESCRSRC Railcar Unloading
** LOCATION AREA9 AREA 482882.940 2974138.340 6.096
** DESCRSRC Inactive Coal Pile
   LOCATION AREA9WE AREA 482882.940 2974138.340 6.096
** DESCRSRC Inactive Coal Pile WIND EROSION
   LOCATION AREA9TR AREA 482882.940 2974138.340 6.096
** DESCRSRC Inactive Coal Pile TRUCKS
   LOCATION AREA19 AREA 483333.240 2973991.360 6.096
** DESCRSRC Limestone Active & Inactive Piles
   LOCATION FASILO AREA 482938.750 2973834.690 6.096
** DESCRSRC Fly Ash Silo Fugitives
   LOCATION BABLR1 AREA 482967.080 2973446.000 6.096
** DESCRSRC Boiler Bottom Ash Handling
   LOCATION BABLR2 AREA 483088.780 2973446.000 6.096
** DESCRSRC Boiler 2 Bottom Ash Handling
   LOCATION AREA27 AREA 482735.310 2973811.090 6.096
** DESCRSRC Bottom Ash for Resale
   LOCATION AREA26 AREA 483266.490 2973802.620 6.096
** DESCRSRC Gypsum Pile
** LOCATION BYPROD AREA 484127.800 2973841.490 6.096
** DESCRSRC By Product Storage Area
   LOCATION BYPRODWE AREA 484127.800 2973841.490 6.096
** DESCRSRC By Product Storage Area WIND EROSION
   LOCATION BYPRODTR AREA 484127.800 2973841.490 6.096
** DESCRSRC By Product Storage Area TRUCKS

** BYPRODUCT ROAD TRAFFIC
```

```
** Line Source represented by Separated Volume Sources
** ----------------------------------------------------------------------
** LINE Source ID = BYROAD
** DESCRSRC Byproduct Paved Road
** Length of Side = 12.19
** Emission Rate =
** Vertical Dimension = 6.10
** SZINIT = 2.84
** Nodes = 5
** 483061.59, 2973780.00, 6.10, 3.05, 0.0
** 483570.00, 2973780.00, 6.10, 3.05, 10.99
** 483570.00, 2973567.00, 6.10, 3.05, 11.01
** 485330.00, 2973567.00, 6.10, 3.05, 11.21
** 486000.00, 2973540.00, 6.10, 3.05, 11.14
** ----------------------------------------------------------------------
   LOCATION BYPRD01   VOLUME 483067.690 2973780.000 6.0960
   LOCATION BYPRD02   VOLUME 483091.319 2973780.000 6.0960
   LOCATION BYPRD03   VOLUME 483114.948 2973780.000 6.0960
   LOCATION BYPRD04   VOLUME 483138.577 2973780.000 6.0960
   LOCATION BYPRD05   VOLUME 483162.207 2973780.000 6.0960
   LOCATION BYPRD06   VOLUME 483185.836 2973780.000 6.0960
   LOCATION BYPRD07   VOLUME 483209.465 2973780.000 6.0960
   LOCATION BYPRD08   VOLUME 483233.094 2973780.000 6.0960
   LOCATION BYPRD09   VOLUME 483256.724 2973780.000 6.0960
   LOCATION BYPRD10   VOLUME 483280.353 2973780.000 6.0960
   LOCATION BYPRD11   VOLUME 483303.982 2973780.000 6.0960
   LOCATION BYPRD12   VOLUME 483327.611 2973780.000 6.0960
   LOCATION BYPRD13   VOLUME 483351.241 2973780.000 6.0960
   LOCATION BYPRD14   VOLUME 483374.870 2973780.000 6.0960
   LOCATION BYPRD15   VOLUME 483398.499 2973780.000 6.0960
   LOCATION BYPRD16   VOLUME 483422.128 2973780.000 6.0960
   LOCATION BYPRD17   VOLUME 483445.758 2973780.000 6.0960
   LOCATION BYPRD18   VOLUME 483469.387 2973780.000 6.0960
   LOCATION BYPRD19   VOLUME 483493.016 2973780.000 6.0960
   LOCATION BYPRD20   VOLUME 483516.645 2973780.000 6.0960
   LOCATION BYPRD21   VOLUME 483540.275 2973780.000 6.0960
   LOCATION BYPRD22   VOLUME 483563.904 2973780.000 6.0960
   LOCATION BYPRD23   VOLUME 483570.000 2973762.429 6.0960
   LOCATION BYPRD24   VOLUME 483570.000 2973738.763 6.0960
   LOCATION BYPRD25   VOLUME 483570.000 2973715.096 6.0960
   LOCATION BYPRD26   VOLUME 483570.000 2973691.429 6.0960
   LOCATION BYPRD27   VOLUME 483570.000 2973667.763 6.0960
   LOCATION BYPRD28   VOLUME 483570.000 2973644.096 6.0960
   LOCATION BYPRD29   VOLUME 483570.000 2973620.429 6.0960
   LOCATION BYPRD30   VOLUME 483570.000 2973596.763 6.0960
   LOCATION BYPRD31   VOLUME 483570.000 2973573.096 6.0960
   LOCATION BYPRD32   VOLUME 483588.014 2973567.000 6.0960
   LOCATION BYPRD33   VOLUME 483612.123 2973567.000 6.0960
   LOCATION BYPRD34   VOLUME 483636.233 2973567.000 6.0960
   LOCATION BYPRD35   VOLUME 483660.342 2973567.000 6.0960
   LOCATION BYPRD36   VOLUME 483684.452 2973567.000 6.0960
   LOCATION BYPRD37   VOLUME 483708.562 2973567.000 6.0960
   LOCATION BYPRD38   VOLUME 483732.671 2973567.000 6.0960
   LOCATION BYPRD39   VOLUME 483756.781 2973567.000 6.0960
   LOCATION BYPRD40   VOLUME 483780.890 2973567.000 6.0960
   LOCATION BYPRD41   VOLUME 483805.000 2973567.000 6.0960
   LOCATION BYPRD42   VOLUME 483829.109 2973567.000 6.0960
   LOCATION BYPRD43   VOLUME 483853.219 2973567.000 6.0960
   LOCATION BYPRD44   VOLUME 483877.329 2973567.000 6.0960
   LOCATION BYPRD45   VOLUME 483901.438 2973567.000 6.0960
   LOCATION BYPRD46   VOLUME 483925.548 2973567.000 6.0960
   LOCATION BYPRD47   VOLUME 483949.657 2973567.000 6.0960
   LOCATION BYPRD48   VOLUME 483973.767 2973567.000 6.0960
   LOCATION BYPRD49   VOLUME 483997.877 2973567.000 6.0960
   LOCATION BYPRD50   VOLUME 484021.986 2973567.000 6.0960
   LOCATION BYPRD51   VOLUME 484046.096 2973567.000 6.0960
   LOCATION BYPRD52   VOLUME 484070.205 2973567.000 6.0960
   LOCATION BYPRD53   VOLUME 484094.315 2973567.000 6.0960
   LOCATION BYPRD54   VOLUME 484118.425 2973567.000 6.0960
   LOCATION BYPRD55   VOLUME 484142.534 2973567.000 6.0960
   LOCATION BYPRD56   VOLUME 484166.644 2973567.000 6.0960
   LOCATION BYPRD57   VOLUME 484190.753 2973567.000 6.0960
   LOCATION BYPRD58   VOLUME 484214.863 2973567.000 6.0960
   LOCATION BYPRD59   VOLUME 484238.973 2973567.000 6.0960
   LOCATION BYPRD60   VOLUME 484263.082 2973567.000 6.0960
```

```
LOCATION BYPRD61   VOLUME 484287.192 2973567.000 6.0960
LOCATION BYPRD62   VOLUME 484311.302 2973567.000 6.0960
LOCATION BYPRD63   VOLUME 484335.411 2973567.000 6.0960
LOCATION BYPRD64   VOLUME 484359.521 2973567.000 6.0960
LOCATION BYPRD65   VOLUME 484383.630 2973567.000 6.0960
LOCATION BYPRD66   VOLUME 484407.740 2973567.000 6.0960
LOCATION BYPRD67   VOLUME 484431.850 2973567.000 6.0960
LOCATION BYPRD68   VOLUME 484455.959 2973567.000 6.0960
LOCATION BYPRD69   VOLUME 484480.069 2973567.000 6.0960
LOCATION BYPRD70   VOLUME 484504.178 2973567.000 6.0960
LOCATION BYPRD71   VOLUME 484528.288 2973567.000 6.0960
LOCATION BYPRD72   VOLUME 484552.398 2973567.000 6.0960
LOCATION BYPRD73   VOLUME 484576.507 2973567.000 6.0960
LOCATION BYPRD74   VOLUME 484600.617 2973567.000 6.0960
LOCATION BYPRD75   VOLUME 484624.727 2973567.000 6.0960
LOCATION BYPRD76   VOLUME 484648.836 2973567.000 6.0960
LOCATION BYPRD77   VOLUME 484672.946 2973567.000 6.0960
LOCATION BYPRD78   VOLUME 484697.055 2973567.000 6.0960
LOCATION BYPRD79   VOLUME 484721.165 2973567.000 6.0960
LOCATION BYPRD80   VOLUME 484745.275 2973567.000 6.0960
LOCATION BYPRD81   VOLUME 484769.384 2973567.000 6.0960
LOCATION BYPRD82   VOLUME 484793.494 2973567.000 6.0960
LOCATION BYPRD83   VOLUME 484817.604 2973567.000 6.0960
LOCATION BYPRD84   VOLUME 484841.713 2973567.000 6.0960
LOCATION BYPRD85   VOLUME 484865.823 2973567.000 6.0960
LOCATION BYPRD86   VOLUME 484889.932 2973567.000 6.0960
LOCATION BYPRD87   VOLUME 484914.042 2973567.000 6.0960
LOCATION BYPRD88   VOLUME 484938.152 2973567.000 6.0960
LOCATION BYPRD89   VOLUME 484962.261 2973567.000 6.0960
LOCATION BYPRD90   VOLUME 484986.371 2973567.000 6.0960
LOCATION BYPRD91   VOLUME 485010.480 2973567.000 6.0960
LOCATION BYPRD92   VOLUME 485034.590 2973567.000 6.0960
LOCATION BYPRD93   VOLUME 485058.700 2973567.000 6.0960
LOCATION BYPRD94   VOLUME 485082.809 2973567.000 6.0960
LOCATION BYPRD95   VOLUME 485106.919 2973567.000 6.0960
LOCATION BYPRD96   VOLUME 485131.029 2973567.000 6.0960
LOCATION BYPRD97   VOLUME 485155.138 2973567.000 6.0960
LOCATION BYPRD98   VOLUME 485179.248 2973567.000 6.0960
LOCATION BYPRD99   VOLUME 485203.357 2973567.000 6.0960
LOCATION BYPRD100  VOLUME 485227.467 2973567.000 6.0960
LOCATION BYPRD101  VOLUME 485251.577 2973567.000 6.0960
LOCATION BYPRD102  VOLUME 485275.686 2973567.000 6.0960
LOCATION BYPRD103  VOLUME 485299.796 2973567.000 6.0960
LOCATION BYPRD104  VOLUME 485323.906 2973567.000 6.0960
LOCATION BYPRD105  VOLUME 485347.838 2973566.281 6.0960
LOCATION BYPRD106  VOLUME 485371.766 2973565.317 6.0960
LOCATION BYPRD107  VOLUME 485395.695 2973564.353 6.0960
LOCATION BYPRD108  VOLUME 485419.623 2973563.388 6.0960
LOCATION BYPRD109  VOLUME 485443.552 2973562.424 6.0960
LOCATION BYPRD110  VOLUME 485467.480 2973561.460 6.0960
LOCATION BYPRD111  VOLUME 485491.409 2973560.495 6.0960
LOCATION BYPRD112  VOLUME 485515.338 2973559.531 6.0960
LOCATION BYPRD113  VOLUME 485539.266 2973558.567 6.0960
LOCATION BYPRD114  VOLUME 485563.195 2973557.603 6.0960
LOCATION BYPRD115  VOLUME 485587.123 2973556.638 6.0960
LOCATION BYPRD116  VOLUME 485611.052 2973555.674 6.0960
LOCATION BYPRD117  VOLUME 485634.980 2973554.710 6.0960
LOCATION BYPRD118  VOLUME 485658.909 2973553.745 6.0960
LOCATION BYPRD119  VOLUME 485682.838 2973552.781 6.0960
LOCATION BYPRD120  VOLUME 485706.766 2973551.817 6.0960
LOCATION BYPRD121  VOLUME 485730.695 2973550.853 6.0960
LOCATION BYPRD122  VOLUME 485754.623 2973549.888 6.0960
LOCATION BYPRD123  VOLUME 485778.552 2973548.924 6.0960
LOCATION BYPRD124  VOLUME 485802.480 2973547.960 6.0960
LOCATION BYPRD125  VOLUME 485826.409 2973546.995 6.0960
LOCATION BYPRD126  VOLUME 485850.338 2973546.031 6.0960
LOCATION BYPRD127  VOLUME 485874.266 2973545.067 6.0960
LOCATION BYPRD128  VOLUME 485898.195 2973544.103 6.0960
LOCATION BYPRD129  VOLUME 485922.123 2973543.138 6.0960
LOCATION BYPRD130  VOLUME 485946.052 2973542.174 6.0960
LOCATION BYPRD131  VOLUME 485969.980 2973541.210 6.0960
LOCATION BYPRD132  VOLUME 485993.909 2973540.245 6.0960
LOCATION BYPRD133  VOLUME 486017.838 2973540.245 6.0960
LOCATION BYPRD134  VOLUME 486041.767 2973540.245 6.0960
LOCATION BYPRD135  VOLUME 486065.696 2973540.245 6.0960
```

```
** End of Line Source

**
** BACKGROUND PM10 SOURCES
**
** SOURCE LOCATIONS
**
** U.S. Sugar Clewiston Mill and Refinery
SO LOCATION     USSBLR1N        POINT   506100  2956900 6.1
SO LOCATION     USSBLR2N        POINT   506100  2956900 6.1
SO LOCATION     USSBLR4N        POINT   506100  2956900 6.1
SO LOCATION     USSBLR7N        POINT   506100  2956900 6.1
SO LOCATION     USSBLR8         POINT   506100  2956900 6.1

SO LOCATION     USSBLR7F        POINT   506100  2956900 6.1

SO LOCATION     USSBLR1B        POINT   506100  2956900 6.1
SO LOCATION     USSBLR2B        POINT   506100  2956900 6.1
SO LOCATION     USSBLR3B        POINT   506100  2956900 6.1
SO LOCATION     EPELLET         POINT   506100  2956900 6.1
SO LOCATION     WPELLET         POINT   506100  2956900 6.1
SO LOCATION     USBLR56B        POINT   506100  2956900 6.1

** Okeelanta a
SO LOCATION     OKBLRB          POINT   524700  2939500 1.5

SO LOCATION     OKBLR16         POINT   524900  2940100 1.5

** New Hope Power Partnership (Okeelanta)
SO LOCATION     OKCOGENF        POINT   524920  2939440 1.5

** U.S. Sugar Corp. Bryant Mill
SO LOCATION     USBRY123        POINT   537830  2969120 1.5
SO LOCATION     USSBRY5 POINT   537830  2969120 1.5.

SO LOCATION     USSBRY1B        POINT   537830  2969120 1.5
SO LOCATION     USBRY23B        POINT   537830  2969120 1.5

** Sugar Cane Growers Co-Opc
SO LOCATION     SCBLR1N         POINT   534900  2953300 1.5
SO LOCATION     SCBLR2N         POINT   534900  2953300 1.5
SO LOCATION     SCBLR3N         POINT   534900  2953300 1.5
SO LOCATION     SCBLR4N         POINT   534900  2953300 1.5
SO LOCATION     SCBLR5N         POINT   534900  2953300 1.5
SO LOCATION     SCBLR8N         POINT   534900  2953300 1.5

SO LOCATION     SCBLR1F         POINT   534900  2953300 1.5
SO LOCATION     SCBLR4F         POINT   534900  2953300 1.5

SO LOCATION     BLR123BF        POINT   534900  2953300 1.5

SO LOCATION     SCBLR4BF        POINT   534900  2953300 1.5
SO LOCATION     SCBLR5BF        POINT   534900  2953300 1.5
SO LOCATION     SCBLR6BF        POINT   534900  2953300 1.5
SO LOCATION     SCBLR7BF        POINT   534900  2953300 1.5

SO LOCATION     BLR123BN        POINT   534900  2953300 1.5

SO LOCATION     SCBLR4BN        POINT   534900  2953300 1.5
SO LOCATION     SCBLR5BN        POINT   534900  2953300 1.5
SO LOCATION     SCBLR6BN        POINT   534900  2953300 1.5
SO LOCATION     SCBLR7BN        POINT   534900  2953300 1.5

** FPL - Martin Power Plant
SO LOCATION     MART34          POINT   542680  2992650 7.6
SO LOCATION     MARTAUX         POINT   542680  2992650 7.6
SO LOCATION     MARTGEN         POINT   542680  2992650 7.6
SO LOCATION     MART8OIL        POINT   542680  2992650 7.6

** FPL - Fort Myers Plant
SO LOCATION     FMU1            POINT   422300  2952900 1.5
SO LOCATION     FMU2            POINT   422300  2952900 1.5
SO LOCATION     FMYHR1_6        POINT   422300  2952900 1.5
SO LOCATION     FMYCT112        POINT   422300  2952900 1.5
```

```
SO LOCATION      FMYCT3          POINT    422300  2952900 1.5

**
** STACK PARAMETERS
**
** Source Parameters **
   SRCPARAM UNIT1&2  44.9  152.4  330.0  16.8  12.9

   SRCPARAM CTN01 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTN02 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTN03 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTN04 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTN05 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTN06 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTN07 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTN08 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTN09 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTN10 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTN11 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTN12 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTN13 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTN14 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTN15 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTN16 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS01 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS02 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS03 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS04 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS05 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS06 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS07 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS08 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS09 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS10 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS11 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS12 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS13 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS14 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS15 0.0139 18.29 309 7.13 15.1
   SRCPARAM CTS16 0.0139 18.29 309 7.13 15.1

   SRCPARAM EP45     0.0044  3.048  255.928 7.28000 1.219
   SRCPARAM EP46     0.0022  30.480 255.928 4.53000 0.610
   SRCPARAM EP47     0.0000  21.336 255.928 6.07000 0.610
   SRCPARAM EP61     0.0021  39.624 255.928 2.88000 0.457
   SRCPARAM EP61A&B  0.0056  39.624 255.928 6.07000 1.219
   SRCPARAM EP52     0.0478  76.200 255.928 9.30000 1.219
   SRCPARAM EP53     0.0478  76.200 255.928 9.30000 1.219
   SRCPARAM EP65&66  0.00308 42.672 255.928 2.88000 0.457
   SRCPARAM EP68     0.0012  3.048  255.928 4.85000 0.610
   SRCPARAM EP7072A  0.0324  32.004 255.928 4.85000 0.610
   SRCPARAM EPREAG1  0.0018 15.240 255.928 2.880   0.457
   SRCPARAM EPREAG2  0.0018 15.240 255.928 2.880   0.457

**   SRCPARAM AREA2    4.20E-06 21.82  45.720 347.472 0.000
   SRCPARAM AREA2WE   2.91E-06 21.82  45.720 347.472 0.000
   SRCPARAM AREA2TR   1.29E-06 21.82  45.720 347.472 0.000
   SRCPARAM AREA15   8.43E-06 3.048 45.720 15.240 0.000
**   SRCPARAM AREA9    2.43E-07 21.82  243.840 365.760 0.000
   SRCPARAM AREA9WE   1.40E-07 21.82  243.840 365.760 0.000
   SRCPARAM AREA9TR   1.03E-07 21.82  243.840 365.760 0.000
   SRCPARAM AREA19   5.11E-06 15.24  50.292 118.872 0.000
   SRCPARAM FASILO   2.66E-06 3.048 74.676 15.240 0.000
   SRCPARAM BABLR1   5.69E-06 3.048 25.603 6.706 0.000
   SRCPARAM BABLR2   5.69E-06 3.048 25.603 6.706 0.000
   SRCPARAM AREA27   1.37E-06 4.57  97.536 30.480 0.000
   SRCPARAM AREA26   2.25E-06 4.57  59.436 51.816 0.000
**   SRCPARAM BYPROD   3.11E-08 18.288 1554.88 945.12 0.000
   SRCPARAM BYPRODWE  2.38E-08 18.288 1554.88 945.12 0.000
   SRCPARAM BYPRODTR  8.85E-09 18.288 1554.88 945.12 0.000


   SRCPARAM BYPRD01    0.000791 3.05 10.99 2.84
   SRCPARAM BYPRD02    0.000791 3.05 10.99 2.84
   SRCPARAM BYPRD03    0.000791 3.05 10.99 2.84
```

```
SRCPARAM BYPRD04   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD05   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD06   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD07   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD08   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD09   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD10   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD11   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD12   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD13   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD14   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD15   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD16   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD17   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD18   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD19   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD20   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD21   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD22   0.000791 3.05 10.99 2.84
SRCPARAM BYPRD23   0.000791 3.05 11.01 2.84
SRCPARAM BYPRD24   0.000791 3.05 11.01 2.84
SRCPARAM BYPRD25   0.000791 3.05 11.01 2.84
SRCPARAM BYPRD26   0.000791 3.05 11.01 2.84
SRCPARAM BYPRD27   0.000791 3.05 11.01 2.84
SRCPARAM BYPRD28   0.000791 3.05 11.01 2.84
SRCPARAM BYPRD29   0.000791 3.05 11.01 2.84
SRCPARAM BYPRD30   0.000791 3.05 11.01 2.84
SRCPARAM BYPRD31   0.000791 3.05 11.01 2.84
SRCPARAM BYPRD32   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD33   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD34   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD35   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD36   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD37   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD38   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD39   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD40   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD41   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD42   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD43   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD44   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD45   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD46   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD47   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD48   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD49   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD50   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD51   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD52   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD53   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD54   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD55   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD56   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD57   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD58   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD59   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD60   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD61   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD62   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD63   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD64   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD65   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD66   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD67   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD68   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD69   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD70   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD71   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD72   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD73   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD74   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD75   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD76   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD77   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD78   0.000791 3.05 11.21 2.84
```

```
SRCPARAM BYPRD79   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD80   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD81   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD82   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD83   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD84   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD85   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD86   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD87   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD88   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD89   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD90   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD91   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD92   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD93   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD94   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD95   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD96   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD97   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD98   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD99   0.000791 3.05 11.21 2.84
SRCPARAM BYPRD100  0.000791 3.05 11.21 2.84
SRCPARAM BYPRD101  0.000791 3.05 11.21 2.84
SRCPARAM BYPRD102  0.000791 3.05 11.21 2.84
SRCPARAM BYPRD103  0.000791 3.05 11.21 2.84
SRCPARAM BYPRD104  0.000791 3.05 11.21 2.84
SRCPARAM BYPRD105  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD106  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD107  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD108  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD109  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD110  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD111  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD112  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD113  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD114  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD115  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD116  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD117  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD118  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD119  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD120  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD121  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD122  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD123  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD124  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD125  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD126  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD127  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD128  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD129  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD130  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD131  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD132  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD133  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD134  0.000791 3.05 11.14 2.84
SRCPARAM BYPRD135  0.000791 3.05 11.14 2.84

** U.S. Sugar Clewiston Mill and Refinery
SO SRCPARAM    USSBLR1N      14.500  64.92  339   25.27  2.44
SO SRCPARAM    USSBLR2N      14.500  64.92  339   25.27  2.44
SO SRCPARAM    USSBLR4N      10.500  45.72  344   27.04  2.50
SO SRCPARAM    USSBLR7N       2.790  68.58  441   28.80  2.44
SO SRCPARAM    USSBLR8        3.060  60.66  430   23.07  3.32
**
SO SRCPARAM    USSBLR7F       2.800  68.58  441   28.80  2.44

SO SRCPARAM    USSBLR1B      -7.480  23.10  344   30.18  1.86
SO SRCPARAM    USSBLR2B      -7.040  23.10  343   35.66  1.86
SO SRCPARAM    USSBLR3B      -3.590  27.43  342   14.69  2.29
SO SRCPARAM    EPELLET       -1.690  12.19  347   8.53   1.52
SO SRCPARAM    WPELLET       -0.820  15.70  347   8.53   1.52
SO SRCPARAM    USBLR56B      -52.92  23.10  494   44.30  1.86

** Okeelanta a
```

```
SO SRCPARAM     OKBLRB          -6.170  22.86   333     7.36    2.29

SO SRCPARAM     OKBLR16          0.770  22.86   483     22.83   1.52

** New Hope Power Partnership (Okeelanta)
SO SRCPARAM     OKCOGENF         8.130  60.66   451     20.63   3.05

** U.S. Sugar Corp. Bryant Mill
SO SRCPARAM     USBRY123        43.660  19.81   344     34.60   1.65
SO SRCPARAM     USSBRY5         11.030  45.72   334     14.76   2.90

SO SRCPARAM     USSBRY1B       -82.40   19.81   494     44.30   1.68
SO SRCPARAM     USBRY23B       -12.04   19.81   344     37.90   1.68

** Sugar Cane Growers Co-Op c
SO SRCPARAM     SCBLR1N          8.400  45.72   342     15.12   2.13
SO SRCPARAM     SCBLR2N          8.320  45.72   342     15.58   2.13
SO SRCPARAM     SCBLR3N          6.620  54.86   342     12.28   1.62
SO SRCPARAM     SCBLR4N         14.430  54.86   345     16.49   2.72
SO SRCPARAM     SCBLR5N         13.830  45.72   344     23.50   2.13
SO SRCPARAM     SCBLR8N          9.530  47.24   341     11.46   2.90

SO SRCPARAM     SCBLR1F          8.400  19.81   342     15.12   2.13
SO SRCPARAM     SCBLR4F         14.430  54.86   345     16.49   2.72

SO SRCPARAM     BLR123BF       -22.40   24.10   475     15.94   1.68

SO SRCPARAM     SCBLR4BF        -8.60   26.20   338     9.88    1.62
SO SRCPARAM     SCBLR5BF       -20.70   24.10   528     28.42   2.03
SO SRCPARAM     SCBLR6BF         0.00   12.20   605     6.53    1.52
SO SRCPARAM     SCBLR7BF         0.00   12.20   606     17.20   1.52

SO SRCPARAM     BLR123BN       -45.00   24.10   475     15.94   1.68

SO SRCPARAM     SCBLR4BN        -8.60   26.20   338     9.88    1.62
SO SRCPARAM     SCBLR5BN       -14.80   24.10   528     28.42   2.03
SO SRCPARAM     SCBLR6BN        -0.50   12.20   605     6.53    1.52
SO SRCPARAM     SCBLR7BN        -1.10   12.20   606     17.20   1.52

** FPL - Martin Power Plant
SO SRCPARAM     MART34          30.54   64.92   411     18.90   6.10
SO SRCPARAM     MARTAUX          0.01   18.29   535     15.24   1.10
SO SRCPARAM     MARTGEN          0.27    7.62   786     39.62   0.30
SO SRCPARAM     MART8OIL        18.65   36.58   420     22.40   5.79

** FPL - Fort Myers Plant
SO SRCPARAM     FMU1            -21.3   91.80   422     29.90   2.90
SO SRCPARAM     FMU2            -48.5   121.20  408     19.20   5.52
SO SRCPARAM     FMYHR1_6         7.56   38.10   378     21.43   5.79
SO SRCPARAM     FMYCT112        78.40    9.75   797     57.73   3.47
SO SRCPARAM     FMYCT3           4.28   24.38   875     36.79   6.25


** Building Downwash **
SO BUILDHGT UNIT1&2    62.48   62.48   43.13   43.13   43.13   23.01
SO BUILDHGT UNIT1&2    23.01   23.01    0.00   23.01   23.01   30.48
SO BUILDHGT UNIT1&2    30.48   30.48   28.96   28.96   28.96    0.00
SO BUILDHGT UNIT1&2     0.00    0.00    0.00   23.01   23.01   23.01
SO BUILDHGT UNIT1&2    23.01   23.01    0.00   23.01   23.01   23.01
SO BUILDHGT UNIT1&2    43.13   43.13   43.13   62.48   62.48   62.48
SO BUILDWID UNIT1&2    63.03   78.78   28.73   29.63   29.63   42.66
SO BUILDWID UNIT1&2    35.53   27.33    0.00   27.33   35.53   70.08
SO BUILDWID UNIT1&2    74.22   76.10   72.28   75.38   76.18    0.00
SO BUILDWID UNIT1&2     0.00    0.00    0.00   52.85   48.49   42.66
SO BUILDWID UNIT1&2    35.53   27.33    0.00   27.33   35.53   42.66
SO BUILDWID UNIT1&2    29.63   29.63   28.73   78.36   63.03   62.50
SO BUILDLEN UNIT1&2    19.26  103.48   28.73   29.63   29.63   55.60
SO BUILDLEN UNIT1&2    56.66   56.01    0.00   56.01   56.66   75.68
SO BUILDLEN UNIT1&2    76.10   74.22   50.53   39.86   27.97    0.00
SO BUILDLEN UNIT1&2     0.00    0.00    0.00   48.49   52.85   55.60
SO BUILDLEN UNIT1&2    56.66   56.01    0.00   56.01   56.66   55.60
SO BUILDLEN UNIT1&2    29.63   29.63   28.73  103.84   19.26    8.53
SO XBADJ    UNIT1&2  -322.10 -323.62 -108.27 -110.16 -108.71  -93.10
SO XBADJ    UNIT1&2   -94.31  -92.65    0.00   35.85   36.88 -215.04
SO XBADJ    UNIT1&2  -215.69 -209.79 -163.61 -157.03 -145.69    0.00
```

```
SO XBADJ    UNIT1&2     0.00    0.00    0.00   33.82   36.21   37.50
SO XBADJ    UNIT1&2    37.64   36.65    0.00  -91.86  -93.55  -92.40
SO XBADJ    UNIT1&2  -108.20 -109.73 -107.93 -323.77 -322.28 -310.80
SO YBADJ    UNIT1&2     6.89  -38.91   16.55   -0.01  -16.56    9.62
SO YBADJ    UNIT1&2    -1.86  -13.29    0.00  -13.43   -2.14   18.03
SO YBADJ    UNIT1&2   -13.01  -43.66    4.97  -19.13  -42.65    0.00
SO YBADJ    UNIT1&2     0.00    0.00    0.00  -31.37  -20.81   -9.62
SO YBADJ    UNIT1&2     1.86   13.29    0.00   13.43    2.14   -9.22
SO YBADJ    UNIT1&2    16.99    0.52  -15.97   39.28   -6.76   61.04

SO BUILDHGT CTN01      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN01      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN01      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN01      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN01      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN01      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTN01     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN01     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN01     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTN01     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN01     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN01     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTN01      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN01     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN01     222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTN01      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN01     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN01     222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTN01     -16.61  -17.30  -17.47  -17.10  -16.21  -14.83
SO XBADJ    CTN01     -13.00  -10.77   -8.22  -11.14  -13.71  -15.87
SO XBADJ    CTN01     -17.55  -18.69  -19.26  -19.25  -18.66  -17.50
SO XBADJ    CTN01     -61.48 -103.60 -142.56 -177.20 -206.45 -229.43
SO XBADJ    CTN01    -245.44 -253.99 -254.82 -253.63 -244.73 -228.39
SO XBADJ    CTN01    -205.12 -175.61 -140.76 -101.64  -59.44  -15.42
SO YBADJ    CTN01    -121.25 -115.51 -106.26  -93.78  -78.46  -60.75
SO YBADJ    CTN01     -41.19  -20.39    1.04   22.43   43.15   62.55
SO YBADJ    CTN01      80.05   95.12  107.30  116.22  121.61  123.30
SO YBADJ    CTN01     121.25  115.51  106.26   93.78   78.46   60.75
SO YBADJ    CTN01      41.19   20.39   -1.04  -22.43  -43.15  -62.55
SO YBADJ    CTN01     -80.05  -95.12 -107.30 -116.22 -121.61 -123.30

SO BUILDHGT CTN02      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN02      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN02      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN02      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN02      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN02      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTN02     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN02     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN02     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTN02     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN02     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN02     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTN02      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN02     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN02     222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTN02      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN02     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN02     222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTN02     -19.38  -22.85  -25.63  -27.63  -28.79  -29.07
SO XBADJ    CTN02     -28.47  -27.01  -24.72  -27.40  -29.25  -30.21
SO XBADJ    CTN02     -30.25  -29.37  -27.60  -24.99  -21.62  -17.60
SO XBADJ    CTN02     -58.71  -98.05 -134.40 -166.67 -193.88 -215.19
SO XBADJ    CTN02    -229.97 -237.76 -238.32 -237.36 -229.19 -214.05
SO XBADJ    CTN02    -192.41 -164.93 -132.43  -95.91  -56.47  -15.32
SO YBADJ    CTN02    -104.98  -99.97  -91.92  -81.08  -67.78  -52.41
SO YBADJ    CTN02     -35.46  -17.42    1.14   19.67   37.60   54.39
SO YBADJ    CTN02      69.52   82.54   93.06  100.75  105.37  106.80
SO YBADJ    CTN02     104.98   99.97   91.92   81.08   67.78   52.41
SO YBADJ    CTN02      35.46   17.42   -1.14  -19.67  -37.60  -54.39
SO YBADJ    CTN02     -69.52  -82.54  -93.06 -100.75 -105.37 -106.80
```

```
SO BUILDHGT CTN03      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN03      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN03      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN03      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN03      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN03      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTN03     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN03     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN03     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTN03     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN03     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN03     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTN03      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN03     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN03     222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTN03      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN03     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN03     222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTN03     -22.23  -28.46  -33.83  -38.17  -41.35  -43.27
SO XBADJ    CTN03     -43.88  -43.16  -41.12  -43.55  -44.66  -44.41
SO XBADJ    CTN03     -42.81  -39.91  -35.80  -30.60  -24.47  -17.60
SO XBADJ    CTN03     -55.87  -92.44 -126.20 -156.13 -181.31 -200.99
SO XBADJ    CTN03    -214.56 -221.60 -221.92 -221.21 -213.78 -199.85
SO XBADJ    CTN03    -179.85 -154.38 -124.23  -90.30  -53.62  -15.32
SO YBADJ    CTN03     -88.83  -84.56  -77.72  -68.52  -57.24  -44.21
SO YBADJ    CTN03     -29.85  -14.58    1.14   16.82   31.99   46.19
SO YBADJ    CTN03      58.98   69.98   78.86   85.34   89.22   90.40
SO YBADJ    CTN03      88.83   84.56   77.72   68.52   57.24   44.21
SO YBADJ    CTN03      29.85   14.58   -1.14  -16.82  -31.99  -46.19
SO YBADJ    CTN03     -58.98  -69.98  -78.86  -85.34  -89.22  -90.40


SO BUILDHGT CTN04      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN04      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN04      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN04      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN04      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN04      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTN04     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN04     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN04     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTN04     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN04     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN04     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTN04      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN04     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN04     222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTN04      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN04     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN04     222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTN04     -25.09  -34.10  -42.08  -48.78  -53.99  -57.56
SO XBADJ    CTN04     -59.39  -59.41  -57.62  -59.80  -60.17  -58.70
SO XBADJ    CTN04     -55.45  -50.52  -44.05  -36.24  -27.34  -17.60
SO XBADJ    CTN04     -53.00  -86.79 -117.95 -145.52 -168.67 -186.70
SO XBADJ    CTN04    -199.05 -205.36 -205.42 -204.96 -198.27 -185.56
SO XBADJ    CTN04    -167.21 -143.78 -115.98  -84.65  -50.76  -15.32
SO YBADJ    CTN04     -72.58  -69.05  -63.43  -55.88  -46.63  -35.96
SO YBADJ    CTN04     -24.21  -11.71    1.14   13.95   26.34   37.94
SO YBADJ    CTN04      48.37   57.34   64.57   69.83   72.97   73.90
SO YBADJ    CTN04      72.58   69.05   63.43   55.88   46.63   35.96
SO YBADJ    CTN04      24.21   11.71   -1.14  -13.95  -26.34  -37.94
SO YBADJ    CTN04     -48.37  -57.34  -64.57  -69.83  -72.97  -73.90


SO BUILDHGT CTN05      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN05      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN05      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN05      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN05      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN05      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTN05     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN05     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN05     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTN05     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN05     120.90   78.10   32.92   78.10  120.90  160.03
```

```
SO BUILDWID CTN05      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTN05       78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN05      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN05      222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTN05       78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN05      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN05      222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTN05      -27.96  -39.75  -50.33  -59.38  -66.63  -71.85
SO XBADJ    CTN05      -74.89  -75.66  -74.12  -76.05  -75.67  -72.99
SO XBADJ    CTN05      -68.09  -61.13  -52.30  -41.89  -30.20  -17.60
SO XBADJ    CTN05      -50.14  -81.15 -109.70 -134.92 -156.03 -172.41
SO XBADJ    CTN05     -183.55 -189.11 -188.92 -188.71 -182.77 -171.27
SO XBADJ    CTN05     -154.57 -133.17 -107.73  -79.01  -47.89  -15.32
SO YBADJ    CTN05      -56.33  -53.55  -49.14  -43.24  -36.02  -27.71
SO YBADJ    CTN05      -18.56   -8.85    1.14   11.09   20.70   29.69
SO YBADJ    CTN05       37.77   44.70   50.28   54.33   56.72   57.40
SO YBADJ    CTN05       56.33   53.55   49.14   43.24   36.02   27.71
SO YBADJ    CTN05       18.56    8.85   -1.14  -11.09  -20.70  -29.69
SO YBADJ    CTN05      -37.77  -44.70  -50.28  -54.33  -56.72  -57.40

SO BUILDHGT CTN06       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN06       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN06       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN06       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN06       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN06       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTN06      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN06      120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN06      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTN06      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN06      120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN06      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTN06       78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN06      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN06      222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTN06       78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN06      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN06      222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTN06      -30.81  -45.36  -58.53  -69.92  -79.19  -86.05
SO XBADJ    CTN06      -90.30  -91.81  -90.52  -92.20  -91.08  -87.19
SO XBADJ    CTN06      -80.66  -71.67  -60.50  -47.50  -33.05  -17.60
SO XBADJ    CTN06      -47.29  -75.54 -101.50 -124.37 -143.47 -158.21
SO XBADJ    CTN06     -168.13 -172.95 -172.52 -172.56 -167.36 -157.07
SO XBADJ    CTN06     -142.01 -122.63  -99.53  -73.40  -45.05  -15.32
SO YBADJ    CTN06      -40.18  -38.14  -34.94  -30.68  -25.48  -19.51
SO YBADJ    CTN06      -12.95   -6.00    1.14    8.24   15.09   21.49
SO YBADJ    CTN06       27.23   32.14   36.08   38.92   40.57   41.00
SO YBADJ    CTN06       40.18   38.14   34.94   30.68   25.48   19.51
SO YBADJ    CTN06       12.95    6.00   -1.14   -8.24  -15.09  -21.49
SO YBADJ    CTN06      -27.23  -32.14  -36.08  -38.92  -40.57  -41.00

SO BUILDHGT CTN07       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN07       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN07       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN07       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN07       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN07       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTN07      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN07      120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN07      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTN07      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN07      120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN07      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTN07       78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN07      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN07      222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTN07       78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN07      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN07      222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTN07      -33.67  -51.00  -66.78  -80.53  -91.83 -100.34
SO XBADJ    CTN07     -105.81 -108.06 -107.02 -108.45 -106.59 -101.48
SO XBADJ    CTN07      -93.30  -82.27  -68.75  -53.14  -35.91  -17.60
SO XBADJ    CTN07      -44.42  -69.90  -93.25 -113.77 -130.83 -143.92
```

```
SO XBADJ     CTN07    -152.63 -156.71 -156.02 -156.31 -151.85 -142.78
SO XBADJ     CTN07    -129.37 -112.02  -91.28  -67.76  -42.18  -15.32
SO YBADJ     CTN07     -23.93  -22.63  -20.65  -18.04  -14.88  -11.26
SO YBADJ     CTN07      -7.31   -3.13    1.14    5.38    9.45   13.24
SO YBADJ     CTN07      16.62   19.50   21.79   23.41   24.32   24.50
SO YBADJ     CTN07      23.93   22.63   20.65   18.04   14.88   11.26
SO YBADJ     CTN07       7.31    3.13   -1.14   -5.38   -9.45  -13.24
SO YBADJ     CTN07     -16.62  -19.50  -21.79  -23.41  -24.32  -24.50

SO BUILDHGT  CTN08      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTN08      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTN08      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTN08      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTN08      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTN08      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID  CTN08     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID  CTN08     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID  CTN08     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID  CTN08     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID  CTN08     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID  CTN08     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN  CTN08      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN  CTN08     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN  CTN08     222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN  CTN08      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN  CTN08     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN  CTN08     222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ     CTN08     -36.54  -56.64  -75.03  -91.13 -104.47 -114.63
SO XBADJ     CTN08    -121.31 -124.31 -123.52 -124.70 -122.09 -115.77
SO XBADJ     CTN08    -105.94  -92.88  -77.00  -58.78  -38.78  -17.60
SO XBADJ     CTN08     -41.56  -64.26  -85.00 -103.16 -118.19 -129.63
SO XBADJ     CTN08    -137.12 -140.46 -139.52 -140.06 -136.35 -128.49
SO XBADJ     CTN08    -116.73 -101.42  -83.03  -62.12  -39.32  -15.32
SO YBADJ     CTN08      -7.68   -7.13   -6.36   -5.40   -4.27   -3.01
SO YBADJ     CTN08      -1.67   -0.27    1.14    2.51    3.81    4.99
SO YBADJ     CTN08       6.01    6.86    7.50    7.91    8.08    8.00
SO YBADJ     CTN08       7.68    7.13    6.36    5.40    4.27    3.01
SO YBADJ     CTN08       1.67    0.27   -1.14   -2.51   -3.81   -4.99
SO YBADJ     CTN08      -6.01   -6.86   -7.50   -7.91   -8.08   -8.00

SO BUILDHGT  CTN09      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTN09      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTN09      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTN09      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTN09      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT  CTN09      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID  CTN09     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID  CTN09     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID  CTN09     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID  CTN09     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID  CTN09     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID  CTN09     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN  CTN09      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN  CTN09     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN  CTN09     222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN  CTN09      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN  CTN09     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN  CTN09     222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ     CTN09     -39.39  -62.25  -83.23 -101.68 -117.03 -128.84
SO XBADJ     CTN09    -136.72 -140.46 -139.92 -140.85 -137.50 -129.97
SO XBADJ     CTN09    -118.50 -103.42  -85.20  -64.39  -41.63  -17.60
SO XBADJ     CTN09     -38.71  -58.65  -76.80  -92.62 -105.63 -115.42
SO XBADJ     CTN09    -121.71 -124.31 -123.12 -123.91 -120.94 -114.29
SO XBADJ     CTN09    -104.16  -90.88  -74.83  -56.51  -36.47  -15.32
SO YBADJ     CTN09       8.47    8.28    7.84    7.17    6.27    5.19
SO YBADJ     CTN09       3.94    2.58    1.14   -0.34   -1.80   -3.21
SO YBADJ     CTN09      -4.53   -5.70   -6.71   -7.50   -8.08   -8.40
SO YBADJ     CTN09      -8.47   -8.28   -7.84   -7.17   -6.27   -5.19
SO YBADJ     CTN09      -3.94   -2.58   -1.14    0.34    1.80    3.21
SO YBADJ     CTN09       4.53    5.70    6.71    7.50    8.08    8.40

SO BUILDHGT  CTN10      15.24   15.24   15.24   15.24   15.24   15.24
```

SO	BUILDHGT	CTN10	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN10	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN10	15.24	15.24	15.24	62.48	62.48	62.48
SO	BUILDHGT	CTN10	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN10	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDWID	CTN10	264.76	258.44	244.26	222.66	194.30	160.03
SO	BUILDWID	CTN10	120.90	78.10	32.92	78.10	120.90	160.03
SO	BUILDWID	CTN10	194.30	222.66	244.26	258.44	264.76	263.04
SO	BUILDWID	CTN10	264.76	258.44	244.26	97.69	76.69	76.66
SO	BUILDWID	CTN10	120.90	78.10	32.92	78.10	120.90	160.03
SO	BUILDWID	CTN10	194.30	222.66	244.26	258.44	264.76	263.04
SO	BUILDLEN	CTN10	78.10	120.90	160.03	194.30	222.66	244.26
SO	BUILDLEN	CTN10	258.44	264.76	263.04	264.76	258.44	244.26
SO	BUILDLEN	CTN10	222.66	194.30	160.03	120.90	78.10	32.92
SO	BUILDLEN	CTN10	78.10	120.90	160.03	102.53	74.04	69.44
SO	BUILDLEN	CTN10	258.44	264.76	263.04	264.76	258.44	244.26
SO	BUILDLEN	CTN10	222.66	194.30	160.03	120.90	78.10	32.92
SO	XBADJ	CTN10	-42.25	-67.90	-91.48	-112.28	-129.67	-143.13
SO	XBADJ	CTN10	-152.23	-156.71	-156.42	-157.10	-153.01	-144.26
SO	XBADJ	CTN10	-131.14	-114.03	-93.45	-70.04	-44.49	-17.60
SO	XBADJ	CTN10	-35.85	-53.00	-68.55	-395.79	-375.18	-369.30
SO	XBADJ	CTN10	-106.21	-108.06	-106.62	-107.66	-105.43	-100.00
SO	XBADJ	CTN10	-91.52	-80.27	-66.58	-50.86	-33.60	-15.32
SO	YBADJ	CTN10	24.72	23.79	22.13	19.81	16.88	13.44
SO	YBADJ	CTN10	9.59	5.45	1.14	-3.20	-7.45	-11.46
SO	YBADJ	CTN10	-15.13	-18.34	-21.00	-23.01	-24.33	-24.90
SO	YBADJ	CTN10	-24.72	-23.79	-22.13	70.05	20.84	-40.65
SO	YBADJ	CTN10	-9.59	-5.45	-1.14	3.20	7.45	11.46
SO	YBADJ	CTN10	15.13	18.34	21.00	23.01	24.32	24.90
SO	BUILDHGT	CTN11	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN11	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN11	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN11	15.24	15.24	15.24	63.09	63.09	62.48
SO	BUILDHGT	CTN11	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN11	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDWID	CTN11	264.76	258.44	244.26	222.66	194.30	160.03
SO	BUILDWID	CTN11	120.90	78.10	32.92	78.10	120.90	160.03
SO	BUILDWID	CTN11	194.30	222.66	244.26	258.44	264.76	263.04
SO	BUILDWID	CTN11	264.76	258.44	244.26	71.91	77.14	76.66
SO	BUILDWID	CTN11	120.90	78.10	32.92	78.10	120.90	160.03
SO	BUILDWID	CTN11	194.30	222.66	244.26	258.44	264.76	263.04
SO	BUILDLEN	CTN11	78.10	120.90	160.03	194.30	222.66	244.26
SO	BUILDLEN	CTN11	258.44	264.76	263.04	264.76	258.44	244.26
SO	BUILDLEN	CTN11	222.66	194.30	160.03	120.90	78.10	32.92
SO	BUILDLEN	CTN11	78.10	120.90	160.03	77.14	71.91	69.44
SO	BUILDLEN	CTN11	258.44	264.76	263.04	264.76	258.44	244.26
SO	BUILDLEN	CTN11	222.66	194.30	160.03	120.90	78.10	32.92
SO	XBADJ	CTN11	-45.10	-73.51	-99.68	-122.82	-142.24	-157.33
SO	XBADJ	CTN11	-167.64	-172.86	-172.82	-173.25	-168.42	-158.47
SO	XBADJ	CTN11	-143.70	-124.57	-101.65	-75.65	-47.34	-17.60
SO	XBADJ	CTN11	-33.00	-47.39	-60.35	-385.25	-385.92	-355.10
SO	XBADJ	CTN11	-90.80	-91.91	-90.22	-91.51	-90.02	-85.79
SO	XBADJ	CTN11	-78.96	-69.73	-58.38	-45.25	-30.75	-15.32
SO	YBADJ	CTN11	40.87	39.20	36.34	32.37	27.42	21.64
SO	YBADJ	CTN11	15.20	8.29	1.14	-6.05	-13.06	-19.66
SO	YBADJ	CTN11	-25.68	-30.91	-35.20	-38.42	-40.48	-41.30
SO	YBADJ	CTN11	-40.87	-39.20	-36.34	44.60	-15.60	-48.85
SO	YBADJ	CTN11	-15.20	-8.29	-1.14	6.05	13.06	19.66
SO	YBADJ	CTN11	25.68	30.91	35.20	38.42	40.48	41.30
SO	BUILDHGT	CTN12	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN12	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN12	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN12	15.24	15.24	15.24	63.09	63.09	62.48
SO	BUILDHGT	CTN12	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDHGT	CTN12	15.24	15.24	15.24	15.24	15.24	15.24
SO	BUILDWID	CTN12	264.76	258.44	244.26	222.66	194.30	160.03
SO	BUILDWID	CTN12	120.90	78.10	32.92	78.10	120.90	160.03
SO	BUILDWID	CTN12	194.30	222.66	244.26	258.44	264.76	263.04
SO	BUILDWID	CTN12	264.76	258.44	244.26	71.91	77.14	76.66
SO	BUILDWID	CTN12	120.90	78.10	32.92	78.10	120.90	160.03
SO	BUILDWID	CTN12	194.30	222.66	244.26	258.44	264.76	263.04

```
SO BUILDLEN CTN12      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN12     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN12     222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTN12      78.10  120.90  160.03   77.14   71.91   69.44
SO BUILDLEN CTN12     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN12     222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTN12     -47.96  -79.15 -107.93 -133.43 -154.88 -171.62
SO XBADJ    CTN12    -183.14 -189.11 -189.32 -189.50 -183.92 -172.76
SO XBADJ    CTN12    -156.34 -135.17 -109.90  -81.29  -50.21  -17.60
SO XBADJ    CTN12     -30.13  -41.75  -52.10 -374.64 -373.29 -340.81
SO XBADJ    CTN12     -75.29  -75.66  -73.72  -75.26  -74.51  -71.50
SO XBADJ    CTN12     -66.32  -59.12  -50.13  -39.61  -27.89  -15.32
SO YBADJ    CTN12      57.12   54.70   50.63   45.01   38.03   29.89
SO YBADJ    CTN12      20.84   11.16    1.14   -8.92  -18.70  -27.91
SO YBADJ    CTN12     -36.28  -43.55  -49.49  -53.93  -56.73  -57.80
SO YBADJ    CTN12     -57.12  -54.70  -50.63   31.96  -26.20  -57.10
SO YBADJ    CTN12     -20.84  -11.16   -1.14    8.92   18.70   27.91
SO YBADJ    CTN12      36.28   43.55   49.49   53.93   56.73   57.80

SO BUILDHGT CTN13      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN13      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN13      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN13      15.24   15.24   15.24   63.09   63.09   62.48
SO BUILDHGT CTN13      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN13      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTN13     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN13     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN13     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTN13     264.76  258.44  244.26   71.91   77.14   76.66
SO BUILDWID CTN13     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN13     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTN13      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN13     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN13     222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTN13      78.10  120.90  160.03   77.14   71.91   69.44
SO BUILDLEN CTN13     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN13     222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTN13     -50.83  -84.79 -116.18 -144.04 -167.52 -185.91
SO XBADJ    CTN13    -198.65 -205.36 -205.82 -205.75 -199.43 -187.05
SO XBADJ    CTN13    -168.98 -145.78 -118.15  -86.93  -53.07  -17.60
SO XBADJ    CTN13     -27.27  -36.11  -43.85 -364.04 -360.65 -326.52
SO XBADJ    CTN13     -59.79  -59.41  -57.22  -59.01  -59.01  -57.21
SO XBADJ    CTN13     -53.68  -48.52  -41.88  -33.97  -25.02  -15.32
SO YBADJ    CTN13      73.37   70.21   64.92   57.65   48.63   38.14
SO YBADJ    CTN13      26.48   14.02    1.14  -11.78  -24.34  -36.16
SO YBADJ    CTN13     -46.89  -56.19  -63.78  -69.43  -72.97  -74.30
SO YBADJ    CTN13     -73.37  -70.21  -64.92   19.32  -36.81  -65.35
SO YBADJ    CTN13     -26.48  -14.02   -1.14   11.78   24.34   36.16
SO YBADJ    CTN13      46.89   56.19   63.78   69.43   72.97   74.30

SO BUILDHGT CTN14      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN14      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN14      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN14      15.24   15.24   63.09   63.09   63.09   15.24
SO BUILDHGT CTN14      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTN14      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTN14     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTN14     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN14     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTN14     264.76  258.44   64.50   71.91   77.14  160.03
SC BUILDWID CTN14     120.90   78.10   32.92   78.10  120.90  160.03
SO BUILDWID CTN14     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTN14      78.10  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTN14     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN14     222.66  194.30  160.03  120.90   78.10   32.92
SO BUILDLEN CTN14      78.10  120.90   80.02   77.14   71.91  244.26
SO BUILDLEN CTN14     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTN14     222.66  194.30  160.03  120.90   78.10   32.92
SO XBADJ    CTN14     -53.68  -90.40 -124.38 -154.58 -180.08 -200.11
SO XBADJ    CTN14    -214.06 -221.51 -222.22 -221.90 -214.84 -201.25
SO XBADJ    CTN14    -181.54 -156.32 -126.35  -92.54  -55.92  -17.60
SO XBADJ    CTN14     -24.42  -30.50 -348.17 -353.50 -348.08  -44.15
SO XBADJ    CTN14     -44.38  -43.26  -40.82  -42.86  -43.60  -43.01
```

SO XBADJ	CTN14	-41.12	-37.98	-33.68	-28.36	-22.18	-15.32
SO YBADJ	CTN14	89.52	85.62	79.12	70.21	59.17	46.34
SO YBADJ	CTN14	32.09	16.87	1.14	-14.63	-29.95	-44.36
SO YBADJ	CTN14	-57.43	-68.75	-77.98	-84.84	-89.13	-90.70
SO YBADJ	CTN14	-89.52	-85.62	60.66	6.76	-47.35	-46.34
SO YBADJ	CTN14	-32.09	-16.87	-1.14	14.63	29.95	44.36
SO YBADJ	CTN14	57.43	68.75	77.98	84.84	89.13	90.70
SO BUILDHGT	CTN15	15.24	15.24	15.24	15.24	15.24	15.24
SO BUILDHGT	CTN15	15.24	15.24	15.24	15.24	15.24	15.24
SO BUILDHGT	CTN15	15.24	15.24	15.24	15.24	15.24	15.24
SO BUILDHGT	CTN15	15.24	15.24	63.09	63.09	63.09	15.24
SO BUILDHGT	CTN15	15.24	15.24	15.24	15.24	15.24	15.24
SO BUILDHGT	CTN15	15.24	15.24	15.24	15.24	15.24	15.24
SO BUILDWID	CTN15	264.76	258.44	244.26	222.66	194.30	160.03
SO BUILDWID	CTN15	120.90	78.10	32.92	78.10	120.90	160.03
SO BUILDWID	CTN15	194.30	222.66	244.26	258.44	264.76	263.04
SO BUILDWID	CTN15	264.76	258.44	64.50	71.91	77.14	160.03
SO BUILDWID	CTN15	120.90	78.10	32.92	78.10	120.90	160.03
SO BUILDWID	CTN15	194.30	222.66	244.26	258.44	264.76	263.04
SO BUILDLEN	CTN15	78.10	120.90	160.03	194.30	222.66	244.26
SO BUILDLEN	CTN15	258.44	264.76	263.04	264.76	258.44	244.26
SO BUILDLEN	CTN15	222.66	194.30	160.03	120.90	78.10	32.92
SO BUILDLEN	CTN15	78.10	120.90	80.02	77.14	71.91	244.26
SO BUILDLEN	CTN15	258.44	264.76	263.04	264.76	258.44	244.26
SO BUILDLEN	CTN15	222.66	194.30	160.03	120.90	78.10	32.92
SO XBADJ	CTN15	-56.54	-96.04	-132.63	-165.18	-192.72	-214.40
SO XBADJ	CTN15	-229.57	-237.76	-238.72	-238.15	-230.34	-215.54
SO XBADJ	CTN15	-194.18	-166.93	-134.60	-98.18	-58.78	-17.60
SO XBADJ	CTN15	-21.55	-24.85	-339.92	-342.89	-335.44	-29.86
SO XBADJ	CTN15	-28.87	-27.01	-24.32	-26.61	-28.09	-28.72
SO XBADJ	CTN15	-28.48	-27.37	-25.43	-22.71	-19.31	-15.32
SO YBADJ	CTN15	105.77	101.13	93.41	82.85	69.78	54.59
SO YBADJ	CTN15	37.73	19.74	1.14	-17.49	-35.60	-52.61
SO YBADJ	CTN15	-68.04	-81.39	-92.27	-100.35	-105.37	-107.20
SO YBADJ	CTN15	-105.77	-101.13	46.37	-5.88	-57.96	-54.59
SO YBADJ	CTN15	-37.73	-19.74	-1.14	17.49	35.60	52.61
SO YBADJ	CTN15	68.04	81.39	92.27	100.35	105.37	107.20
SO BUILDHGT	CTN16	15.24	15.24	15.24	15.24	15.24	15.24
SO BUILDHGT	CTN16	15.24	15.24	15.24	15.24	15.24	15.24
SO BUILDHGT	CTN16	15.24	15.24	15.24	15.24	15.24	15.24
SO BUILDHGT	CTN16	15.24	15.24	63.09	63.09	63.09	15.24
SO BUILDHGT	CTN16	15.24	15.24	15.24	15.24	15.24	15.24
SO BUILDHGT	CTN16	15.24	15.24	15.24	15.24	15.24	15.24
SO BUILDWID	CTN16	264.76	258.44	244.26	222.66	194.30	160.03
SO BUILDWID	CTN16	120.90	78.10	32.92	78.10	120.90	160.03
SO BUILDWID	CTN16	194.30	222.66	244.26	258.44	264.76	263.04
SO BUILDWID	CTN16	264.76	258.44	64.50	71.91	77.14	160.03
SO BUILDWID	CTN16	120.90	78.10	32.92	78.10	120.90	160.03
SO BUILDWID	CTN16	194.30	222.66	244.26	258.44	264.76	263.04
SO BUILDLEN	CTN16	78.10	120.90	160.03	194.30	222.66	244.26
SO BUILDLEN	CTN16	258.44	264.76	263.04	264.76	258.44	244.26
SO BUILDLEN	CTN16	222.66	194.30	160.03	120.90	78.10	32.92
SO BUILDLEN	CTN16	78.10	120.90	80.02	77.14	71.91	244.26
SO BUILDLEN	CTN16	258.44	264.76	263.04	264.76	258.44	244.26
SO BUILDLEN	CTN16	222.66	194.30	160.03	120.90	78.10	32.92
SO XBADJ	CTN16	-59.41	-101.69	-140.88	-175.79	-205.36	-228.69
SO XBADJ	CTN16	-245.07	-254.01	-255.22	-254.40	-245.85	-229.83
SO XBADJ	CTN16	-206.82	-177.53	-142.85	-103.83	-61.65	-17.60
SO XBADJ	CTN16	-18.69	-19.21	-331.67	-332.28	-322.80	-15.57
SO XBADJ	CTN16	-13.37	-10.76	-7.82	-10.36	-12.59	-14.43
SO XBADJ	CTN16	-15.84	-16.76	-17.18	-17.07	-16.45	-15.32
SO YBADJ	CTN16	122.02	116.63	107.70	95.49	80.39	62.84
SO YBADJ	CTN16	43.38	22.60	1.14	-20.36	-41.24	-60.86
SO YBADJ	CTN16	-78.64	-94.03	-106.56	-115.85	-121.62	-123.70
SO YBADJ	CTN16	-122.02	-116.63	32.08	-18.52	-68.56	-62.84
SO YBADJ	CTN16	-43.38	-22.60	-1.14	20.36	41.24	60.86
SO YBADJ	CTN16	78.64	94.03	106.56	115.85	121.62	123.70
SO BUILDHGT	CTS01	15.24	15.24	15.24	15.24	15.24	15.24
SO BUILDHGT	CTS01	15.24	15.24	15.24	15.24	15.24	15.24

```
SO BUILDHGT CTS01       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS01       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS01       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS01       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS01      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS01      120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS01      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS01      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS01      120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS01      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS01       78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS01      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS01      222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS01       78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS01      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS01      222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS01      -17.71  -18.35  -18.43  -17.95  -16.93  -15.39
SO XBADJ    CTS01      -13.39  -10.97   -8.23  -10.95  -13.34  -15.32
SO XBADJ    CTS01      -16.83  -17.84  -18.30  -18.21  -17.57  -16.39
SO XBADJ    CTS01      -60.39 -102.55 -141.60 -176.35 -205.73 -228.87
SO XBADJ    CTS01     -245.05 -253.79 -254.82 -253.82 -245.10 -228.94
SO XBADJ    CTS01     -205.83 -176.46 -141.72 -102.69  -60.53  -16.53
SO YBADJ    CTS01     -121.43 -115.88 -106.81  -94.50  -79.31  -61.71
SO YBADJ    CTS01      -42.24  -21.48   -0.07   21.34   42.10   61.58
SO YBADJ    CTS01       79.20   94.40  106.74  115.83  121.41  123.29
SO YBADJ    CTS01      121.43  115.88  106.81   94.50   79.31   61.71
SO YBADJ    CTS01       42.24   21.48    0.07  -21.34  -42.10  -61.58
SO YBADJ    CTS01      -79.20  -94.40 -106.74 -115.83 -121.41 -123.29

SO BUILDHGT CTS02       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS02       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS02       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS02       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS02       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS02       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS02      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS02      120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS02      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS02      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS02      120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS02      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS02       78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS02      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS02      222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS02       78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS02      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS02      222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS02      -20.62  -24.08  -26.82  -28.73  -29.78  -29.91
SO XBADJ    CTS02      -29.14  -27.49  -25.00  -27.46  -29.09  -29.84
SO XBADJ    CTS02      -29.68  -28.62  -26.69  -23.95  -20.48  -16.39
SO XBADJ    CTS02      -57.47  -96.81 -133.21 -165.57 -192.89 -214.35
SO XBADJ    CTS02     -229.29 -237.27 -238.05 -237.30 -229.34 -214.42
SO XBADJ    CTS02     -192.98 -165.68 -133.34  -96.95  -57.62  -16.53
SO YBADJ    CTS02     -104.92 -100.13  -92.29  -81.65  -68.53  -53.33
SO YBADJ    CTS02      -36.50  -18.57   -0.07   18.43   36.36   53.20
SO YBADJ    CTS02       68.42   81.56   92.22  100.08  104.89  106.52
SO YBADJ    CTS02      104.92  100.13   92.29   81.65   68.53   53.33
SO YBADJ    CTS02       36.50   18.57    0.07  -18.43  -36.36  -53.20
SO YBADJ    CTS02      -68.42  -81.56  -92.22 -100.08 -104.89 -106.52

SO BUILDHGT CTS03       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS03       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS03       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS03       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS03       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS03       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS03      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS03      120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS03      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS03      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS03      120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS03      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS03       78.09  120.90  160.03  194.30  222.66  244.26
```

```
SO BUILDLEN CTS03     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS03     222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS03      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS03     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS03     222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS03     -23.47  -29.69  -35.02  -39.27  -42.34  -44.12
SO XBADJ    CTS03     -44.55  -43.64  -41.40  -43.61  -44.50  -44.04
SO XBADJ    CTS03     -42.24  -39.16  -34.89  -29.56  -23.33  -16.39
SO XBADJ    CTS03     -54.63  -91.21 -125.01 -155.02 -180.32 -200.14
SO XBADJ    CTS03    -213.88 -221.12 -221.65 -221.15 -213.93 -200.22
SO XBADJ    CTS03    -180.42 -155.14 -125.14  -91.34  -54.77  -16.53
SO YBADJ    CTS03     -88.77  -84.71  -78.09  -69.09  -57.99  -45.13
SO YBADJ    CTS03     -30.89  -15.72   -0.07   15.58   30.76   45.00
SO YBADJ    CTS03      57.88   68.99   78.01   84.66   88.74   90.12
SO YBADJ    CTS03      88.77   84.71   78.09   69.09   57.99   45.13
SO YBADJ    CTS03      30.89   15.72    0.07  -15.58  -30.76  -45.00
SO YBADJ    CTS03     -57.88  -68.99  -78.01  -84.66  -88.74  -90.12

SO BUILDHGT CTS04      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS04      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS04      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS04      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS04      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS04      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS04     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS04     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS04     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS04     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS04     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS04     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS04      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS04     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS04     222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS04      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS04     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS04     222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS04     -26.33  -35.34  -43.27  -49.88  -54.98  -58.41
SO XBADJ    CTS04     -60.06  -59.89  -57.90  -59.86  -60.01  -58.33
SO XBADJ    CTS04     -54.88  -49.77  -43.14  -35.20  -26.19  -16.39
SO XBADJ    CTS04     -51.76  -85.56 -116.76 -144.42 -167.68 -185.85
SO XBADJ    CTS04    -198.38 -204.87 -205.15 -204.90 -198.43 -185.93
SO XBADJ    CTS04    -167.78 -144.53 -116.89  -85.70  -51.90  -16.53
SO YBADJ    CTS04     -72.52  -69.21  -63.80  -56.45  -47.38  -36.88
SO YBADJ    CTS04     -25.25  -12.86   -0.07   12.71   25.11   36.75
SO YBADJ    CTS04      47.27   56.35   63.72   69.16   72.49   73.62
SO YBADJ    CTS04      72.52   69.21   63.80   56.45   47.38   36.88
SO YBADJ    CTS04      25.25   12.86    0.07  -12.71  -25.11  -36.75
SO YBADJ    CTS04     -47.27  -56.35  -63.72  -69.16  -72.49  -73.62

SO BUILDHGT CTS05      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS05      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS05      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS05      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS05      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS05      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS05     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS05     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS05     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS05     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS05     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS05     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS05      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS05     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS05     222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS05      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS05     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS05     222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS05     -29.20  -40.98  -51.52  -60.49  -67.62  -72.70
SO XBADJ    CTS05     -75.56  -76.14  -74.40  -76.11  -75.51  -72.62
SO XBADJ    CTS05     -67.52  -60.37  -51.39  -40.84  -29.06  -16.39
SO XBADJ    CTS05     -48.90  -79.92 -108.51 -133.81 -155.04 -171.57
SO XBADJ    CTS05    -182.87 -188.63 -188.65 -188.65 -182.92 -171.64
SO XBADJ    CTS05    -155.14 -133.92 -108.64  -80.06  -49.04  -16.53
```

```
SO YBADJ    CTS05      -56.27  -53.70  -49.51  -43.81  -36.77  -28.63
SO YBADJ    CTS05      -19.61   -9.99   -0.07    9.85   19.47   28.50
SO YBADJ    CTS05       36.66   43.71   49.43   53.65   56.24   57.12
SO YBADJ    CTS05       56.27   53.70   49.51   43.81   36.77   28.63
SO YBADJ    CTS05       19.61    9.99    0.07   -9.85  -19.47  -28.50
SO YBADJ    CTS05      -36.66  -43.71  -49.43  -53.65  -56.24  -57.12


SO BUILDHGT CTS06       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS06       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS06       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS06       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS06       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS06       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS06      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS06      120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS06      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS06      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS06      120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS06      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS06       78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS06      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS06      222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS06       78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS06      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS06      222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS06      -32.05  -46.59  -59.72  -71.03  -80.18  -86.90
SO XBADJ    CTS06      -90.98  -92.29  -90.80  -92.26  -90.93  -86.83
SO XBADJ    CTS06      -80.09  -70.92  -59.59  -46.45  -31.90  -16.39
SO XBADJ    CTS06      -46.05  -74.31 -100.31 -123.27 -142.48 -157.36
SO XBADJ    CTS06     -167.46 -172.47 -172.25 -172.50 -167.51 -157.44
SO XBADJ    CTS06     -142.57 -123.38 -100.44  -74.45  -46.19  -16.53
SO YBADJ    CTS06      -40.12  -38.29  -35.30  -31.24  -26.23  -20.43
SO YBADJ    CTS06      -14.00   -7.14   -0.07    7.00   13.86   20.30
SO YBADJ    CTS06       26.12   31.15   35.23   38.24   40.09   40.72
SO YBADJ    CTS06       40.12   38.29   35.30   31.24   26.23   20.43
SO YBADJ    CTS06       14.00    7.14    0.07   -7.00  -13.86  -20.30
SO YBADJ    CTS06      -26.12  -31.15  -35.23  -38.24  -40.09  -40.72


SO BUILDHGT CTS07       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS07       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS07       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS07       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS07       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS07       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS07      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS07      120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS07      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS07      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS07      120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS07      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS07       78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS07      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS07      222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS07       78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS07      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS07      222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS07      -34.91  -52.23  -67.97  -81.63  -92.82 -101.19
SO XBADJ    CTS07     -106.48 -108.54 -107.30 -108.51 -106.43 -101.11
SO XBADJ    CTS07      -92.73  -81.52  -67.84  -52.10  -34.77  -16.39
SO XBADJ    CTS07      -43.18  -68.67  -92.06 -112.66 -129.84 -143.07
SO XBADJ    CTS07     -151.96 -156.23 -155.75 -156.25 -152.01 -143.15
SO XBADJ    CTS07     -129.93 -112.78  -92.19  -68.80  -43.33  -16.53
SO YBADJ    CTS07      -23.87  -22.79  -21.02  -18.60  -15.63  -12.18
SO YBADJ    CTS07       -8.35   -4.28   -0.07    4.13    8.22   12.05
SO YBADJ    CTS07       15.52   18.51   20.94   22.74   23.84   24.22
SO YBADJ    CTS07       23.87   22.79   21.02   18.60   15.63   12.18
SO YBADJ    CTS07        8.35    4.28    0.07   -4.13   -8.22  -12.05
SO YBADJ    CTS07      -15.52  -18.51  -20.94  -22.74  -23.84  -24.22


SO BUILDHGT CTS08       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS08       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS08       15.24   15.24   15.24   15.24   15.24   15.24
```

```
SO BUILDHGT CTS08      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS08      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS08      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS08     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS08     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS08     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS08     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS08     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS08     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS08      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS08     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS08     222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS08      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS08     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS08     222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS08     -37.76  -57.84  -76.17  -92.18 -105.38 -115.39
SO XBADJ    CTS08    -121.89 -124.69 -123.70 -124.66 -121.84 -115.32
SO XBADJ    CTS08    -105.29  -92.06  -76.04  -57.70  -37.62  -16.39
SO XBADJ    CTS08     -40.33  -63.06  -83.86 -102.12 -117.28 -128.87
SO XBADJ    CTS08    -136.55 -140.07 -139.35 -140.10 -136.60 -128.94
SO XBADJ    CTS08    -117.37 -102.23  -83.99  -63.19  -40.48  -16.53
SO YBADJ    CTS08      -7.72   -7.38   -6.81   -6.04   -5.09   -3.98
SO YBADJ    CTS08      -2.74   -1.43   -0.07    1.29    2.61    3.85
SO YBADJ    CTS08       4.97    5.95    6.74    7.33    7.69    7.82
SO YBADJ    CTS08       7.72    7.38    6.81    6.04    5.09    3.98
SO YBADJ    CTS08       2.74    1.43    0.07   -1.29   -2.61   -3.85
SO YBADJ    CTS08      -4.97   -5.95   -6.74   -7.33   -7.69   -7.82

SO BUILDHGT CTS09      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS09      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS09      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS09      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS09      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS09      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS09     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS09     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS09     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS09     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS09     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS09     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS09      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS09     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS09     222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS09      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS09     258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS09     222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS09     -40.63  -63.49  -84.42 -102.78 -118.02 -129.68
SO XBADJ    CTS09    -137.40 -140.94 -140.20 -140.91 -137.35 -129.61
SO XBADJ    CTS09    -117.93 -102.67  -84.29  -63.35  -40.48  -16.39
SO XBADJ    CTS09     -37.47  -57.41  -75.61  -91.52 -104.64 -114.58
SO XBADJ    CTS09    -121.04 -123.83 -122.85 -123.85 -121.09 -114.65
SO XBADJ    CTS09    -104.73  -91.63  -75.74  -57.55  -37.61  -16.53
SO YBADJ    CTS09       8.53    8.13    7.48    6.60    5.52    4.27
SO YBADJ    CTS09       2.90    1.43   -0.07   -1.58   -3.04   -4.40
SO YBADJ    CTS09      -5.63   -6.69   -7.55   -8.18   -8.56   -8.68
SO YBADJ    CTS09      -8.53   -8.13   -7.48   -6.60   -5.52   -4.27
SO YBADJ    CTS09      -2.90   -1.43    0.07    1.58    3.04    4.40
SO YBADJ    CTS09       5.63    6.69    7.55    8.18    8.56    8.68

SO BUILDHGT CTS10      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS10      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS10      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS10      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS10      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS10      15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS10     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS10     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS10     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS10     264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS10     120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS10     194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS10      78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS10     258.44  264.76  263.04  264.76  258.44  244.26
```

```
SO BUILDLEN CTS10    222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS10     78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS10    258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS10    222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS10    -43.49  -69.13  -92.67 -113.39 -130.66 -143.97
SO XBADJ    CTS10   -152.90 -157.19 -156.70 -157.16 -152.85 -143.90
SO XBADJ    CTS10   -130.57 -113.28  -92.54  -68.99  -43.35  -16.39
SO XBADJ    CTS10    -34.60  -51.77  -67.36  -80.91  -92.00 -100.29
SO XBADJ    CTS10   -105.54 -107.58 -106.35 -107.60 -105.59 -100.36
SO XBADJ    CTS10    -92.09  -81.02  -67.49  -51.91  -34.75  -16.53
SO YBADJ    CTS10     24.78   23.63   21.77   19.24   16.13   12.52
SO YBADJ    CTS10      8.54    4.30   -0.07   -4.44   -8.68  -12.65
SO YBADJ    CTS10    -16.24  -19.33  -21.84  -23.68  -24.81  -25.18
SO YBADJ    CTS10    -24.78  -23.63  -21.77  -19.24  -16.13  -12.52
SO YBADJ    CTS10     -8.54   -4.30    0.07    4.44    8.68   12.65
SO YBADJ    CTS10     16.24   19.33   21.84   23.68   24.81   25.18


SO BUILDHGT CTS11     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS11     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS11     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS11     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS11     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS11     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS11    264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS11    120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS11    194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS11    264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS11    120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS11    194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS11     78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS11    258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS11    222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS11     78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS11    258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS11    222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS11    -46.34  -74.74 -100.87 -123.93 -143.23 -158.17
SO XBADJ    CTS11   -168.31 -173.34 -173.10 -173.31 -168.26 -158.10
SO XBADJ    CTS11   -143.13 -123.82 -100.74  -74.60  -46.19  -16.39
SO XBADJ    CTS11    -31.76  -46.16  -59.16  -70.37  -79.44  -86.09
SO XBADJ    CTS11    -90.13  -91.42  -89.95  -91.45  -90.18  -86.16
SO XBADJ    CTS11    -79.53  -70.48  -59.29  -46.30  -31.90  -16.53
SO YBADJ    CTS11     40.93   39.04   35.97   31.80   26.67   20.72
SO YBADJ    CTS11     14.15    7.15   -0.07   -7.29  -14.29  -20.85
SO YBADJ    CTS11    -26.78  -31.90  -36.04  -39.09  -40.96  -41.58
SO YBADJ    CTS11    -40.93  -39.04  -35.97  -31.80  -26.67  -20.72
SO YBADJ    CTS11    -14.15   -7.15    0.07    7.29   14.29   20.85
SO YBADJ    CTS11     26.78   31.90   36.04   39.09   40.96   41.58


SO BUILDHGT CTS12     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS12     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS12     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS12     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS12     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS12     15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS12    264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS12    120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS12    194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS12    264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS12    120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS12    194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS12     78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS12    258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS12    222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS12     78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS12    258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS12    222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ    CTS12    -49.20  -80.38 -109.12 -134.53 -155.87 -172.46
SO XBADJ    CTS12   -183.82 -189.59 -189.60 -189.56 -183.77 -172.39
SO XBADJ    CTS12   -155.77 -134.42 -108.99  -80.24  -49.06  -16.39
SO XBADJ    CTS12    -28.89  -40.52  -50.91  -59.76  -66.80  -71.80
SO XBADJ    CTS12    -74.62  -75.18  -73.45  -75.20  -74.67  -71.87
SO XBADJ    CTS12    -66.89  -59.87  -51.04  -40.65  -29.03  -16.53
SO YBADJ    CTS12     57.18   54.55   50.26   44.44   37.27   28.97
```

```
SO YBADJ     CTS12      19.79   10.01   -0.07  -10.16  -19.93  -29.10
SO YBADJ     CTS12     -37.39  -44.54  -50.33  -54.60  -57.21  -58.08
SO YBADJ     CTS12     -57.18  -54.55  -50.26  -44.44  -37.27  -28.97
SO YBADJ     CTS12     -19.79  -10.01    0.07   10.16   19.93   29.10
SO YBADJ     CTS12      37.39   44.54   50.33   54.60   57.21   58.08

SO BUILDHGT CTS13       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS13       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS13       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS13       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS13       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS13       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS13      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS13      120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS13      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS13      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS13      120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS13      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS13       78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS13      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS13      222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS13       78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS13      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS13      222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ     CTS13      -52.07  -86.02 -117.37 -145.14 -168.51 -186.75
SO XBADJ     CTS13     -199.32 -205.84 -206.10 -205.81 -199.27 -186.68
SO XBADJ     CTS13     -168.41 -145.03 -117.24  -85.89  -51.93  -16.39
SO XBADJ     CTS13      -26.03  -34.87  -42.66  -49.16  -54.16  -57.51
SO XBADJ     CTS13      -59.12  -58.93  -56.95  -58.95  -59.17  -57.58
SO XBADJ     CTS13      -54.25  -49.27  -42.79  -35.01  -26.17  -16.53
SO YBADJ     CTS13       73.43   70.05   64.55   57.08   47.88   37.22
SO YBADJ     CTS13       25.44   12.88   -0.07  -13.02  -25.57  -37.35
SO YBADJ     CTS13      -47.99  -57.18  -64.62  -70.10  -73.46  -74.58
SO YBADJ     CTS13      -73.43  -70.05  -64.55  -57.08  -47.88  -37.22
SO YBADJ     CTS13      -25.44  -12.88    0.07   13.02   25.57   37.35
SO YBADJ     CTS13       47.99   57.18   64.62   70.10   73.46   74.58

SO BUILDHGT CTS14       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS14       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS14       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS14       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS14       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS14       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDWID CTS14      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS14      120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS14      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDWID CTS14      264.76  258.44  244.26  222.66  194.30  160.03
SO BUILDWID CTS14      120.90   78.09   32.92   78.09  120.90  160.03
SO BUILDWID CTS14      194.30  222.66  244.26  258.44  264.76  263.04
SO BUILDLEN CTS14       78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS14      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS14      222.66  194.30  160.03  120.90   78.09   32.92
SO BUILDLEN CTS14       78.09  120.90  160.03  194.30  222.66  244.26
SO BUILDLEN CTS14      258.44  264.76  263.04  264.76  258.44  244.26
SO BUILDLEN CTS14      222.66  194.30  160.03  120.90   78.09   32.92
SO XBADJ     CTS14      -54.92  -91.63 -125.57 -155.68 -181.07 -200.95
SO XBADJ     CTS14     -214.73 -221.99 -222.50 -221.96 -214.68 -200.88
SO XBADJ     CTS14     -180.98 -155.57 -125.44  -91.50  -54.77  -16.39
SO XBADJ     CTS14      -23.18  -29.27  -34.46  -38.61  -41.59  -43.31
SO XBADJ     CTS14      -43.71  -42.78  -40.55  -42.80  -43.76  -43.38
SO XBADJ     CTS14      -41.69  -38.73  -34.59  -29.40  -23.32  -16.53
SO YBADJ     CTS14       89.58   85.46   78.75   69.64   58.42   45.42
SO YBADJ     CTS14       31.05   15.73   -0.07  -15.87  -31.18  -45.55
SO YBADJ     CTS14      -58.53  -69.74  -78.82  -85.51  -89.61  -90.98
SO YBADJ     CTS14      -89.58  -85.46  -78.75  -69.64  -58.42  -45.42
SO YBADJ     CTS14      -31.05  -15.73    0.07   15.87   31.18   45.55
SO YBADJ     CTS14       58.53   69.74   78.82   85.51   89.61   90.98

SO BUILDHGT CTS15       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS15       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS15       15.24   15.24   15.24   15.24   15.24   15.24
SO BUILDHGT CTS15       15.24   15.24   15.24   15.24   15.24   15.24
```

```
SO BUILDHGT CTS15       15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT CTS15       15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDWID CTS15      264.76   258.44   244.26   222.66   194.30   160.03
SO BUILDWID CTS15      120.90    78.09    32.92    78.09   120.90   160.03
SO BUILDWID CTS15      194.30   222.66   244.26   258.44   264.76   263.04
SO BUILDWID CTS15      264.76   258.44   244.26   222.66   194.30   160.03
SO BUILDWID CTS15      120.90    78.09    32.92    78.09   120.90   160.03
SO BUILDWID CTS15      194.30   222.66   244.26   258.44   264.76   263.04
SO BUILDLEN CTS15       78.09   120.90   160.03   194.30   222.66   244.26
SO BUILDLEN CTS15      258.44   264.76   263.04   264.76   258.44   244.26
SO BUILDLEN CTS15      222.66   194.30   160.03   120.90    78.09    32.92
SO BUILDLEN CTS15       78.09   120.90   160.03   194.30   222.66   244.26
SO BUILDLEN CTS15      258.44   264.76   263.04   264.76   258.44   244.26
SO BUILDLEN CTS15      222.66   194.30   160.03   120.90    78.09    32.92
SO XBADJ    CTS15      -57.78   -97.28  -133.82  -166.29  -193.71  -215.24
SO XBADJ    CTS15     -230.24  -238.24  -239.00  -238.21  -230.19  -215.17
SO XBADJ    CTS15     -193.61  -166.18  -133.69   -97.14   -57.64   -16.39
SO XBADJ    CTS15      -20.31   -23.62   -26.21   -28.01   -28.95   -29.02
SO XBADJ    CTS15      -28.20   -26.53   -24.05   -26.55   -28.25   -29.09
SO XBADJ    CTS15      -29.05   -28.12   -26.34   -23.76   -20.46   -16.53
SO YBADJ    CTS15      105.83   100.97    93.04    82.28    69.03    53.67
SO YBADJ    CTS15       36.69    18.59    -0.07   -18.73   -36.83   -53.80
SO YBADJ    CTS15      -69.14   -82.38   -93.11  -101.02  -105.86  -107.48
SO YBADJ    CTS15     -105.83  -100.97   -93.04   -82.28   -69.03   -53.67
SO YBADJ    CTS15      -36.69   -18.59     0.07    18.73    36.83    53.80
SO YBADJ    CTS15       69.14    82.38    93.11   101.02   105.86   107.48

SO BUILDHGT CTS16       15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT CTS16       15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT CTS16       15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT CTS16       15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT CTS16       15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDHGT CTS16       15.24    15.24    15.24    15.24    15.24    15.24
SO BUILDWID CTS16      264.76   258.44   244.26   222.66   194.30   160.03
SO BUILDWID CTS16      120.90    78.09    32.92    78.09   120.90   160.03
SO BUILDWID CTS16      194.30   222.66   244.26   258.44   264.76   263.04
SO BUILDWID CTS16      264.76   258.44   244.26   222.66   194.30   160.03
SO BUILDWID CTS16      120.90    78.09    32.92    78.09   120.90   160.03
SO BUILDWID CTS16      194.30   222.66   244.26   258.44   264.76   263.04
SO BUILDLEN CTS16       78.09   120.90   160.03   194.30   222.66   244.26
SO BUILDLEN CTS16      258.44   264.76   263.04   264.76   258.44   244.26
SO BUILDLEN CTS16      222.66   194.30   160.03   120.90    78.09    32.92
SO BUILDLEN CTS16       78.09   120.90   160.03   194.30   222.66   244.26
SO BUILDLEN CTS16      258.44   264.76   263.04   264.76   258.44   244.26
SO BUILDLEN CTS16      222.66   194.30   160.03   120.90    78.09    32.92
SO XBADJ    CTS16      -60.65  -102.92  -142.07  -176.89  -206.35  -229.53
SO XBADJ    CTS16     -245.74  -254.49  -255.50  -254.46  -245.69  -229.46
SO XBADJ    CTS16     -206.25  -176.78  -141.94  -102.78   -60.50   -16.39
SO XBADJ    CTS16      -17.45   -17.98   -17.96   -17.40   -16.31   -14.73
SO XBADJ    CTS16      -12.70   -10.28    -7.55   -10.30   -12.75   -14.80
SO XBADJ    CTS16      -16.41   -17.51   -18.09   -18.12   -17.59   -16.53
SO YBADJ    CTS16      122.08   116.47   107.33    94.92    79.63    61.92
SO YBADJ    CTS16       42.33    21.46    -0.07   -21.60   -42.47   -62.05
SO YBADJ    CTS16      -79.75   -95.02  -107.40  -116.52  -122.10  -123.98
SO YBADJ    CTS16     -122.08  -116.47  -107.33   -94.92   -79.63   -61.92
SO YBADJ    CTS16      -42.33   -21.46     0.07    21.60    42.47    62.05
SO YBADJ    CTS16       79.75    95.02   107.40   116.52   122.10   123.98

SO BUILDHGT EP45        28.96    30.48    30.48    30.48    30.48    30.48
SO BUILDHGT EP45         0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDHGT EP45        28.96    28.96    28.96    28.96    28.96    28.96
SO BUILDHGT EP45        28.96    28.96    28.96    28.96    28.96    30.48
SO BUILDHGT EP45         0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDHGT EP45        28.96    28.96    28.96    28.96    28.96    28.96
SO BUILDWID EP45        76.18    72.95    75.68    76.10    74.22    70.08
SO BUILDWID EP45         0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDWID EP45        59.67    67.00    72.28    75.38    76.18    74.67
SO BUILDWID EP45        76.18    75.38    72.28    67.00   104.25    70.08
SO BUILDWID EP45         0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDWID EP45        59.67    67.00    72.28    75.38    76.18    74.67
SO BUILDLEN EP45        27.97    63.81    70.08    74.22    76.10    75.68
SO BUILDLEN EP45         0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDLEN EP45        67.00    59.67    50.53    39.86    27.97    15.24
```

```
SO BUILDLEN EP45      27.97   39.86   50.53   59.67  144.13   75.68
SO BUILDLEN EP45       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP45      67.00   59.67   50.53   39.86   27.97   15.24
SO XBADJ    EP45     -67.96 -125.52 -133.83 -138.07 -138.12 -133.97
SO XBADJ    EP45       0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP45      12.16   21.38   29.94   37.59   44.11   49.28
SO XBADJ    EP45      39.99   29.48   18.08    6.13   -6.01   58.29
SO XBADJ    EP45       0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP45     -79.16  -81.05  -80.47  -77.45  -72.08  -64.52
SO YBADJ    EP45     -21.56   37.99   21.16    3.68  -13.91  -31.07
SO YBADJ    EP45       0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP45     -35.96  -27.49  -18.18   -8.31    1.80   11.86
SO YBADJ    EP45      21.56   30.61   38.72   45.66   28.92   31.07
SO YBADJ    EP45       0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP45      35.96   27.49   18.18    8.31   -1.80  -11.86


SO BUILDHGT EP46       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP46       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP46       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP46       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP46       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP46       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP46       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP46       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP46       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP46       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP46       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP46       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP46       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP46       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP46       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP46       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP46       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP46       0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP46       0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP46       0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP46       0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP46       0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP46       0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP46       0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP46       0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP46       0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP46       0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP46       0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP46       0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP46       0.00    0.00    0.00    0.00    0.00    0.00


SO BUILDHGT EP47       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP47       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP47       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP47       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP47       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP47       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP47       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP47       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP47       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP47       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP47       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP47       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP47       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP47       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP47       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP47       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP47       0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP47       0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP47       0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP47       0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP47       0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP47       0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP47       0.00    0.00    0.00    0.00    0.00    0.00
SO XBADJ    EP47       0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP47       0.00    0.00    0.00    0.00    0.00    0.00
SO YBADJ    EP47       0.00    0.00    0.00    0.00    0.00    0.00
```

SO	YBADJ	EP47	0.00	0.00	0.00	0.00	0.00	0.00
SO	YBADJ	EP47	0.00	0.00	0.00	0.00	0.00	0.00
SO	YBADJ	EP47	0.00	0.00	0.00	0.00	0.00	0.00
SO	YBADJ	EP47	0.00	0.00	0.00	0.00	0.00	0.00
SO	BUILDHGT	EP61	62.48	62.48	63.09	63.09	36.58	36.58
SO	BUILDHGT	EP61	36.58	36.58	36.58	36.58	36.58	36.58
SO	BUILDHGT	EP61	36.58	36.58	36.58	36.58	36.58	36.58
SO	BUILDHGT	EP61	36.58	36.58	36.58	36.58	36.58	36.58
SO	BUILDHGT	EP61	36.58	36.58	36.58	36.58	36.58	36.58
SO	BUILDHGT	EP61	36.58	36.58	36.58	36.58	36.58	62.48
SO	BUILDWID	EP61	65.67	78.78	64.50	71.91	21.28	20.67
SO	BUILDWID	EP61	19.43	17.60	15.24	17.60	19.43	20.67
SO	BUILDWID	EP61	21.28	21.24	20.55	19.25	17.36	14.94
SO	BUILDWID	EP61	17.36	19.25	20.55	21.24	21.28	20.67
SO	BUILDWID	EP61	19.43	17.60	15.24	17.60	19.43	20.67
SO	BUILDWID	EP61	21.28	21.24	20.55	19.25	17.36	62.50
SO	BUILDLEN	EP61	99.40	103.48	80.02	77.14	21.24	20.55
SO	BUILDLEN	EP61	19.25	17.36	14.94	17.36	19.25	20.55
SO	BUILDLEN	EP61	21.24	21.28	20.67	19.43	17.60	15.24
SO	BUILDLEN	EP61	17.60	19.43	20.67	21.28	21.24	20.55
SO	BUILDLEN	EP61	19.25	17.36	14.94	17.36	19.25	20.55
SO	BUILDLEN	EP61	21.24	21.28	20.67	19.43	17.60	92.15
SO	XBADJ	EP61	-336.09	-375.99	-358.90	-353.91	-10.21	-9.92
SO	XBADJ	EP61	-9.34	-8.47	-7.34	-8.64	-9.67	-10.41
SO	XBADJ	EP61	-10.84	-10.93	-10.70	-10.13	-9.26	-8.11
SO	XBADJ	EP61	-9.31	-10.22	-10.82	-11.10	-11.03	-10.63
SO	XBADJ	EP61	-9.91	-8.89	-7.59	-8.72	-9.57	-10.14
SO	XBADJ	EP61	-10.40	-10.34	-9.97	-9.30	-8.34	-327.53
SO	YBADJ	EP61	-8.77	56.64	12.75	-43.35	0.30	0.36
SO	YBADJ	EP61	0.42	0.46	0.49	0.51	0.51	0.49
SO	YBADJ	EP61	0.46	0.41	0.36	0.29	0.21	0.13
SO	YBADJ	EP61	0.04	-0.05	-0.14	-0.22	-0.30	-0.36
SO	YBADJ	EP61	-0.42	-0.46	-0.49	-0.51	-0.51	-0.49
SO	YBADJ	EP61	-0.46	-0.41	-0.36	-0.29	-0.21	46.75
SO	BUILDHGT	EP61A&B	62.48	62.48	63.09	63.09	36.58	36.58
SO	BUILDHGT	EP61A&B	36.58	36.58	36.58	36.58	36.58	36.58
SO	BUILDHGT	EP61A&B	36.58	36.58	36.58	36.58	36.58	36.58
SO	BUILDHGT	EP61A&B	36.58	36.58	36.58	36.58	36.58	36.58
SO	BUILDHGT	EP61A&B	36.58	36.58	36.58	36.58	36.58	36.58
SO	BUILDHGT	EP61A&B	36.58	36.58	36.58	36.58	36.58	62.48
SO	BUILDWID	EP61A&B	65.67	78.78	64.50	71.91	21.28	20.67
SO	BUILDWID	EP61A&B	19.43	17.60	15.24	17.60	19.43	20.67
SO	BUILDWID	EP61A&B	21.28	21.24	20.55	19.25	17.36	14.94
SO	BUILDWID	EP61A&B	17.36	19.25	20.55	21.24	21.28	20.67
SO	BUILDWID	EP61A&B	19.43	17.60	15.24	17.60	19.43	20.67
SO	BUILDWID	EP61A&B	21.28	21.24	20.55	19.25	17.36	62.50
SO	BUILDLEN	EP61A&B	99.40	103.48	80.02	77.14	21.24	20.55
SO	BUILDLEN	EP61A&B	19.25	17.36	14.94	17.36	19.25	20.55
SO	BUILDLEN	EP61A&B	21.24	21.28	20.67	19.43	17.60	15.24
SO	BUILDLEN	EP61A&B	17.60	19.43	20.67	21.28	21.24	20.55
SO	BUILDLEN	EP61A&B	19.25	17.36	14.94	17.36	19.25	20.55
SO	BUILDLEN	EP61A&B	21.24	21.28	20.67	19.43	17.60	92.15
SO	XBADJ	EP61A&B	-343.06	-383.44	-366.61	-361.65	-17.73	-17.01
SO	XBADJ	EP61A&B	-15.77	-14.05	-11.90	-12.04	-11.81	-11.23
SO	XBADJ	EP61A&B	-10.30	-9.06	-7.55	-5.80	-3.88	-1.84
SO	XBADJ	EP61A&B	-2.34	-2.77	-3.11	-3.36	-3.51	-3.55
SO	XBADJ	EP61A&B	-3.48	-3.31	-3.03	-5.31	-7.43	-9.33
SO	XBADJ	EP61A&B	-10.94	-12.21	-13.12	-13.63	-13.72	-333.80
SO	YBADJ	EP61A&B	-5.37	58.78	13.57	-43.88	-1.58	-2.79
SO	YBADJ	EP61A&B	-3.91	-4.92	-5.78	-6.46	-6.95	-7.22
SO	YBADJ	EP61A&B	-7.28	-7.11	-6.73	-6.14	-5.37	-4.43
SO	YBADJ	EP61A&B	-3.36	-2.19	-0.95	0.32	1.58	2.79
SO	YBADJ	EP61A&B	3.91	4.92	5.78	6.46	6.95	7.22
SO	YBADJ	EP61A&B	7.28	7.11	6.73	6.14	5.37	51.31
SO	BUILDHGT	EP52	62.48	62.48	92.66	92.66	92.66	92.66
SO	BUILDHGT	EP52	92.66	92.66	92.66	92.66	92.66	92.66
SO	BUILDHGT	EP52	92.66	92.66	92.66	62.48	62.48	62.48
SO	BUILDHGT	EP52	62.48	62.48	92.66	92.66	92.66	92.66
SO	BUILDHGT	EP52	92.66	92.66	92.66	92.66	92.66	92.66

```
SO BUILDHGT EP52        92.66   92.66   92.66   62.48   62.48   62.48
SO BUILDWID EP52        63.03   78.78   44.73   48.61   51.01   51.86
SO BUILDWID EP52        51.15   48.87   45.11   48.87   51.15   51.86
SO BUILDWID EP52        51.01   48.61   44.73   78.36   63.03   62.50
SO BUILDWID EP52        63.03   78.78   44.73   48.61   51.01   51.86
SO BUILDWID EP52        51.15   48.87   45.11   48.87   51.15   51.86
SO BUILDWID EP52        51.01   48.61   44.73   78.36   63.03   62.50
SO BUILDLEN EP52        19.26  103.48   51.87   51.01   48.61   44.73
SO BUILDLEN EP52        39.49   33.05   25.60   33.05   39.49   44.73
SO BUILDLEN EP52        48.61   51.01   51.87  103.63   19.26    8.53
SO BUILDLEN EP52        19.26  103.48   51.87   51.01   48.61   44.73
SO BUILDLEN EP52        39.49   33.05   25.60   33.05   39.49   44.73
SO BUILDLEN EP52        48.61   51.01   51.87  103.63   19.26    8.53
SO XBADJ    EP52        -9.56  -14.64    5.30    2.07   -1.22  101.10
SO XBADJ    EP52        -7.59  -10.48  -13.05  -23.05  -32.36  -40.68
SO XBADJ    EP52       -47.77  -53.40  -57.41  -89.00   -9.70   -4.34
SO XBADJ    EP52        -9.69  -88.84  -57.17  -53.09  -47.39 -145.83
SO XBADJ    EP52       -31.90  -22.57  -12.56   -9.99   -7.13   -4.05
SO XBADJ    EP52        -0.84    2.39    5.54  -14.62   -9.55   -4.20
SO YBADJ    EP52         0.03    8.61   18.32   23.46   27.89  -29.49
SO YBADJ    EP52        34.11   35.70   36.21   35.61   33.94   31.23
SO YBADJ    EP52        27.58   23.09   17.89    8.36   -0.01   -0.02
SO YBADJ    EP52        -0.03   -8.61  -18.32  -23.46  -27.89   29.49
SO YBADJ    EP52       -34.11  -35.70  -36.21  -35.61  -33.94  -31.23
SO YBADJ    EP52       -27.58  -23.09  -17.89   -8.36    0.01    0.02


SO BUILDHGT EP53        62.48   62.48   92.66   92.66   92.66   92.66
SO BUILDHGT EP53        92.66   92.66   92.66   92.66   92.66   92.66
SO BUILDHGT EP53        92.66   92.66   92.66   62.48   62.48   62.48
SO BUILDHGT EP53        62.48   62.48   92.66   92.66   92.66   92.66
SO BUILDHGT EP53        92.66   92.66   92.66   92.66   92.66   92.66
SO BUILDHGT EP53        92.66   92.66   92.66   62.48   62.48   62.48
SO BUILDWID EP53        63.03   78.91   44.73   48.61   51.01   51.85
SO BUILDWID EP53        51.15   48.87   45.11   48.87   51.15   51.85
SO BUILDWID EP53        51.01   48.61   44.73   78.36   63.03   62.50
SO BUILDWID EP53        63.03   78.91   44.73   48.61   51.01   51.85
SO BUILDWID EP53        51.15   48.87   45.11   48.87   51.15   51.85
SO BUILDWID EP53        51.01   48.61   44.73   78.36   63.03   62.50
SO BUILDLEN EP53        19.26  103.64   51.87   51.01   48.61   44.73
SO BUILDLEN EP53        39.49   33.05   25.60   33.05   39.49   44.73
SO BUILDLEN EP53        48.61   51.01   51.87  103.84   19.26    8.53
SO BUILDLEN EP53        19.26  103.64   51.87   51.01   48.61   44.73
SO BUILDLEN EP53        39.49   33.05   25.60   33.05   39.49   44.73
SO BUILDLEN EP53        48.61   51.01   51.87  103.84   19.26    8.53
SO XBADJ    EP53        -9.90  -15.11    4.83    1.48   -1.92   -5.27
SO XBADJ    EP53        -8.45  -11.38 -135.87 -144.01 -147.77  -41.46
SO XBADJ    EP53       -48.45  -53.98  -57.86  -89.31   -9.65   -4.14
SO XBADJ    EP53        -9.35  -88.53  -56.70  -52.49  -46.69  -39.46
SO XBADJ    EP53       -31.04  -21.67  -11.65   -9.10   -6.28   -3.27
SO XBADJ    EP53        -0.16    2.96    5.99  -14.53   -9.61   -4.40
SO YBADJ    EP53         0.82    9.39   19.10   24.15   28.47   31.92
SO YBADJ    EP53        34.41   35.84   36.21   14.29   -8.07   30.77
SO YBADJ    EP53        26.98   22.38   17.10    7.51   -0.86   -0.85
SO YBADJ    EP53        -0.82   -9.39  -19.10  -24.15  -28.47  -31.92
SO YBADJ    EP53       -34.41  -35.84  -36.19  -35.44  -33.62  -30.77
SO YBADJ    EP53       -26.98  -22.38  -17.10   -7.51    0.86    0.85


SO BUILDHGT EP65&66      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP65&66      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP65&66      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP65&66      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP65&66      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDHGT EP65&66      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP65&66      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP65&66      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP65&66      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP65&66      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP65&66      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDWID EP65&66      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP65&66      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP65&66      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP65&66      0.00    0.00    0.00    0.00    0.00    0.00
SO BUILDLEN EP65&66      0.00    0.00    0.00    0.00    0.00    0.00
```

```
SO BUILDLEN EP65&66     0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDLEN EP65&66     0.00     0.00     0.00     0.00     0.00     0.00
SO XBADJ    EP65&66     0.00     0.00     0.00     0.00     0.00     0.00
SO XBADJ    EP65&66     0.00     0.00     0.00     0.00     0.00     0.00
SO XBADJ    EP65&66     0.00     0.00     0.00     0.00     0.00     0.00
SO XBADJ    EP65&66     0.00     0.00     0.00     0.00     0.00     0.00
SO XBADJ    EP65&66     0.00     0.00     0.00     0.00     0.00     0.00
SO XBADJ    EP65&66     0.00     0.00     0.00     0.00     0.00     0.00
SO YBADJ    EP65&66     0.00     0.00     0.00     0.00     0.00     0.00
SO YBADJ    EP65&66     0.00     0.00     0.00     0.00     0.00     0.00
SO YBADJ    EP65&66     0.00     0.00     0.00     0.00     0.00     0.00
SO YBADJ    EP65&66     0.00     0.00     0.00     0.00     0.00     0.00
SO YBADJ    EP65&66     0.00     0.00     0.00     0.00     0.00     0.00
SO YBADJ    EP65&66     0.00     0.00     0.00     0.00     0.00     0.00


SO BUILDHGT EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDHGT EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDHGT EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDHGT EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDHGT EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDHGT EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDWID EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDWID EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDWID EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDWID EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDWID EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDWID EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDLEN EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDLEN EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDLEN EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDLEN EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDLEN EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDLEN EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO XBADJ    EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO XBADJ    EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO XBADJ    EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO XBADJ    EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO XBADJ    EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO XBADJ    EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO YBADJ    EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO YBADJ    EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO YBADJ    EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO YBADJ    EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO YBADJ    EP68        0.00     0.00     0.00     0.00     0.00     0.00
SO YBADJ    EP68        0.00     0.00     0.00     0.00     0.00     0.00


SO BUILDHGT EP7072A    28.96    28.96    28.96    30.48    30.48    30.48
SO BUILDHGT EP7072A    30.48    30.48    30.48    30.48    30.48    28.96
SO BUILDHGT EP7072A    28.96    28.96    28.96    28.96    28.96    28.96
SO BUILDHGT EP7072A    28.96    28.96    28.96    30.48    30.48    30.48
SO BUILDHGT EP7072A    30.48    30.48    30.48    30.48    30.48    28.96
SO BUILDHGT EP7072A    28.96    28.96    28.96    28.96    28.96    28.96
SO BUILDWID EP7072A    76.18    75.38    72.28    76.10    74.22    70.08
SO BUILDWID EP7072A    63.81    55.60    45.70    55.60    63.81    50.53
SO BUILDWID EP7072A    59.67    67.00    72.28    75.38    76.18    74.67
SO BUILDWID EP7072A    76.18    75.38    72.28    76.10    74.22    70.08
SO BUILDWID EP7072A    63.81    55.60    45.70    55.60    63.81    50.53
SO BUILDWID EP7072A    59.67    67.00    72.28    75.38    76.18    74.67
SO BUILDLEN EP7072A    27.97    39.86    50.53    74.22    76.10    75.68
SO BUILDLEN EP7072A    72.95    68.01    61.00    68.01    72.95    72.28
SO BUILDLEN EP7072A    67.00    59.67    50.53    39.86    27.97    15.24
SO BUILDLEN EP7072A    27.97    39.86    50.53    74.22    76.10    75.68
SO BUILDLEN EP7072A    72.95    68.01    61.00    68.01    72.95    72.28
SO BUILDLEN EP7072A    67.00    59.67    50.53    39.86    27.97    15.24
SO XBADJ    EP7072A   -13.79   -19.65   -24.91  -101.69  -110.17  -115.29
SO XBADJ    EP7072A  -116.92  -114.99  -109.57  -108.75  -104.63   -35.75
SO XBADJ    EP7072A   -33.18   -29.59   -25.11   -19.86   -14.01    -7.73
SO XBADJ    EP7072A   -14.19   -20.21   -25.62    27.48    34.06    39.62
SO XBADJ    EP7072A    43.97    46.98    48.57    40.74    31.68   -36.53
SO XBADJ    EP7072A   -33.82   -30.08   -25.43   -20.00   -13.97    -7.51
SO YBADJ    EP7072A    -0.49    -0.44    -0.39    49.02    37.06    23.97
SO YBADJ    EP7072A    10.16    -3.96   -17.97   -31.42   -43.92     0.35
SO YBADJ    EP7072A     0.42     0.46     0.50     0.52     0.52     0.51
```

```
SO YBADJ     EP7072A     0.49     0.44     0.39   -49.02   -37.06   -23.97
SO YBADJ     EP7072A   -10.16     3.96    17.97    31.42    43.92    -0.35
SO YBADJ     EP7072A    -0.42    -0.46    -0.50    -0.52    -0.52    -0.51

SO BUILDHGT EPREAG1     0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDHGT EPREAG1     0.00     0.00     0.00    92.66    92.66    92.66
SO BUILDHGT EPREAG1    92.66     0.00     0.00     0.00     0.00     0.00
SO BUILDHGT EPREAG1     0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDHGT EPREAG1     0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDHGT EPREAG1     0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDWID EPREAG1     0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDWID EPREAG1     0.00     0.00     0.00    48.87    51.15    51.87
SO BUILDWID EPREAG1    51.01     0.00     0.00     0.00     0.00     0.00
SO BUILDWID EPREAG1     0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDWID EPREAG1     0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDWID EPREAG1     0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDLEN EPREAG1     0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDLEN EPREAG1     0.00     0.00     0.00    33.05    39.49    44.73
SO BUILDLEN EPREAG1    48.61     0.00     0.00     0.00     0.00     0.00
SO BUILDLEN EPREAG1     0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDLEN EPREAG1     0.00     0.00     0.00     0.00     0.00     0.00
SO BUILDLEN EPREAG1     0.00     0.00     0.00     0.00     0.00     0.00
SO XBADJ    EPREAG1     0.00     0.00     0.00     0.00     0.00     0.00
SO XBADJ    EPREAG1     0.00     0.00     0.00  -201.07  -209.87  -212.29
SO XBADJ    EPREAG1  -208.26     0.00     0.00     0.00     0.00     0.00
SO XBADJ    EPREAG1     0.00     0.00     0.00     0.00     0.00     0.00
SO XBADJ    EPREAG1     0.00     0.00     0.00     0.00     0.00     0.00
SO XBADJ    EPREAG1     0.00     0.00     0.00     0.00     0.00     0.00
SO YBADJ    EPREAG1     0.00     0.00     0.00     0.00     0.00     0.00
SO YBADJ    EPREAG1     0.00     0.00     0.00    48.28    15.50   -17.75
SO YBADJ    EPREAG1   -50.46     0.00     0.00     0.00     0.00     0.00
SO YBADJ    EPREAG1     0.00     0.00     0.00     0.00     0.00     0.00
SO YBADJ    EPREAG1     0.00     0.00     0.00     0.00     0.00     0.00
SO YBADJ    EPREAG1     0.00     0.00     0.00     0.00     0.00     0.00

SO BUILDHGT EPREAG2    62.48    62.48    63.09    92.66    92.66    92.66
SO BUILDHGT EPREAG2    92.66    92.66    92.66    92.66    92.66    92.66
SO BUILDHGT EPREAG2    92.66    63.09    63.09    62.48    32.61    62.48
SO BUILDHGT EPREAG2    62.48    62.48    63.09    92.66    92.66    92.66
SO BUILDHGT EPREAG2    92.66    92.66    92.66    92.66    92.66    92.66
SO BUILDHGT EPREAG2    92.66    63.09    63.09    62.48     0.00    62.48
SO BUILDWID EPREAG2    63.03    78.91    64.50    48.61    51.01    51.87
SO BUILDWID EPREAG2    51.15    48.87    45.11    48.87    51.15    51.87
SO BUILDWID EPREAG2    51.01    71.93    64.52    78.36    80.19    62.50
SO BUILDWID EPREAG2    63.03    78.91    64.50    48.61    51.01    51.87
SO BUILDWID EPREAG2    51.15    48.87    45.11    48.87    51.15    51.87
SO BUILDWID EPREAG2    51.01    71.93    64.52    78.36     0.00    62.50
SO BUILDLEN EPREAG2    19.26   103.64    80.04    51.01    48.61    44.73
SO BUILDLEN EPREAG2    39.49    33.05    25.60    33.05    39.49    44.73
SO BUILDLEN EPREAG2    48.61    77.14    80.03   103.84    49.04     8.53
SO BUILDLEN EPREAG2    19.26   103.64    80.04    51.01    48.61    44.73
SO BUILDLEN EPREAG2    39.49    33.05    25.60    33.05    39.49    44.73
SO BUILDLEN EPREAG2    48.61    77.14    80.03   103.84     0.00     8.53
SO XBADJ    EPREAG2   -69.03   -81.97   -67.72   -74.57   -79.16   -81.34
SO XBADJ    EPREAG2  -195.60  -198.35  -195.07  -193.69   -71.87   -67.93
SO XBADJ    EPREAG2   -61.92   -80.16   -72.66   -62.95  -126.14    45.46
SO XBADJ    EPREAG2    49.77   -21.67   -12.31    23.56    30.55    36.61
SO XBADJ    EPREAG2    41.56    45.24    47.55    40.59    32.39    23.20
SO XBADJ    EPREAG2    13.31     3.02    -7.37   -40.89     0.00   -54.00
SO YBADJ    EPREAG2    50.51    48.06    55.45    37.62    28.53    18.57
SO YBADJ    EPREAG2    49.75    18.46   -13.39   -44.84   -33.24   -41.79
SO YBADJ    EPREAG2   -49.06   -43.19   -49.08   -65.08   -43.39   -60.05
SO YBADJ    EPREAG2   -50.51   -48.06   -55.45   -37.62   -28.53   -18.57
SO YBADJ    EPREAG2    -8.04     2.72    13.41    23.68    33.24    41.79
SO YBADJ    EPREAG2    49.06    43.19    49.08    65.08     0.00    60.05

SO EMISFACT  AREA9WE          WSPEED   0 0 0 1 1 1
SO EMISFACT  AREA2WE          WSPEED   0 0 0 1 1 1
SO EMISFACT  BYPRODWE         WSPEED   0 0 0 1 1 1

**      U.S. Sugar Clewiston Mill and Refinery
SO EMISFACT USSBLR1N-USSBLR8N  MONTH 1 1 1 1 0 0 0 0 0 1 1 1
SO EMISFACT USSBLR7F           MONTH 0 0 0 0 1 1 1 1 1 0 0 0
```

```
SO EMISFACT USSBLR1B-USSBLR3B  MONTH 1 1 1 1 0 0 0 0 0 1 1 1
SO EMISFACT EPELLET            MONTH 1 1 1 1 0 0 0 0 0 1 1 1
SO EMISFACT WPELLET            MONTH 1 1 1 1 0 0 0 0 0 1 1 1

**      Okeelanta
SO EMISFACT OKBLRB             MONTH 1 1 1 1 0 0 0 0 0 1 1 1

**      Sugar Cane Growers Co-Op
SO EMISFACT SCBLR1N-SCBLR8N       MONTH 1 1 1 1 0 0 0 0 0 1 1 1
SO EMISFACT SCBLR1F-SCBLR4F       MONTH 0 0 0 0 1 1 1 1 1 0 0 0
SO EMISFACT BLR123BN              MONTH 1 1 1 1 0 0 0 0 0 1 1 1
SO EMISFACT SCBLR4BN-SCBLR7BN     MONTH 1 1 1 1 0 0 0 0 0 1 1 1
SO EMISFACT BLR123BF              MONTH 0 0 0 0 1 1 1 1 1 0 0 0
SO EMISFACT SCBLR4BF-SCBLR7BF     MONTH 0 0 0 0 1 1 1 1 1 0 0 0


   SRCGROUP ALL

SO FINISHED
**
**********************************
** AERMOD Receptor Pathway
**********************************
**
**
RE STARTING
   INCLUDED GLADESPM.ROU
RE FINISHED
**
**********************************
** AERMOD Meteorology Pathway
**********************************
**
**
ME STARTING
   SURFFILE  C:\AMODMET\FTMYERS_2001.SFC
   PROFFILE  C:\AMODMET\FTMYERS_2001.PFL
   SURFDATA  12894 2001 FT_MYERS
   UAIRDATA  12842 2001 TAMPA/INT'L_ARPT
   PROFBASE  31 FEET
ME FINISHED
**
**********************************
** AERMOD Output Pathway
**********************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST 2ND
OU FINISHED
```

AERBOB RELEASE 020304

AERMOD OUTPUT FILE NUMBER 1 :PMPSD2.O01
AERMOD OUTPUT FILE NUMBER 2 :PMPSD2.O02
AERMOD OUTPUT FILE NUMBER 3 :PMPSD2.O03
AERMOD OUTPUT FILE NUMBER 4 :PMPSD2.O04
AERMOD OUTPUT FILE NUMBER 5 :PMPSD2.O05
First title for last output file is: 2001 FPL ATCP - GLADES SITE - PSD CLASS II ANALYSIS 11/25/06
Second title for last output file is: 24-HOUR AVERAGE PM10 IMPACTS

AVERAGING TIME	YEAR	CONC (ug/m3)	X (m)	Y (m)	PERIOD ENDING (YYMMDDHH)
SOURCE GROUP ID: ALL					
HIGH 24-Hour					
	2001	5.42229	486080.	2973514.	01121924
	2002	4.54017	486080.	2973514.	02112124
	2003	6.94283	486113.	2973543.	03090724
	2004	6.51756	486113.	2973543.	04011524
	2005	6.20324	486113.	2973543.	05030524
HSH 24-Hour					
	2001	4.51420	486080.	2973514.	01041524
	2002	3.62015	486080.	2973514.	02121324
	2003	5.67036	486080.	2973514.	03102324
	2004	5.10674	486080.	2973514.	04040424
	2005	5.63844	486113.	2973543.	05052424

All receptor computations reported with respect to a user-specified origin

GRID	0.00	0.00
DISCRETE	0.00	0.00

```
FPL SOLID FUEL GLADES COUNTY SITE - CALPUFF   11/20/06
2 UNITS EACH 8,700 MMBTU/HR, 0.04 SO2, 0.05 NOX, 0.013 PMF, 0.004 SAM
4-km FLORIDA DOMAIN, 2001, IMPACTS AT ENP & CNWA
---------------- Run title (3 lines) ------------------------------------------

                    CALPUFF MODEL CONTROL FILE
                    --------------------------

------------------------------------------------------------------------------

INPUT GROUP: 0 -- Input and Output File Names

--------------
Default Name  Type           File Name
------------  ----           ---------
CALMET.DAT    input    * METDAT =              *
    or
ISCMET.DAT    input    * ISCDAT =              *
    or
PLMMET.DAT    input    * PLMDAT =              *
    or
PROFILE.DAT   input    * PRFDAT =              *
SURFACE.DAT   input    * SFCDAT =              *
RESTARTB.DAT  input    * RSTARTB=              *
------------------------------------------------------------------------------
CALPUFF.LST   output   ! PUFLST = PUFFGLD.LST !
CONC.DAT      output   ! CONDAT = PUFFGLD.CON !
DFLX.DAT      output   ! DFDAT  = PUFFGLD.DRY !
WFLX.DAT      output   ! WFDAT  = PUFFGLD.WET !

VISB.DAT      output   ! VISDAT = VISB.DAT    !
TK2D.DAT      output   * T2DDAT =             *
RHO2D.DAT     output   * RHODAT =             *
RESTARTE.DAT  output   * RSTARTE=             *
------------------------------------------------------------------------------
Emission Files
--------------
PTEMARB.DAT   input    * PTDAT  =             *
VOLEMARB.DAT  input    * VOLDAT =             *
BAEMARB.DAT   input    * ARDAT  =             *
LNEMARB.DAT   input    * LNDAT  =             *
------------------------------------------------------------------------------
Other Files
-----------
OZONE.DAT     input    ! OZDAT  =..\OZONE\2001FLOz.DAT !
VD.DAT        input    * VDDAT  =             *
CHEM.DAT      input    * CHEMDAT=             *
H2O2.DAT      input    * H2O2DAT=             *
HILL.DAT      input    * HILDAT=              *
HILLRCT.DAT   input    * RCTDAT=              *
COASTLN.DAT   input    * CSTDAT=              *
FLUXBDY.DAT   input    * BDYDAT=              *
BCON.DAT      input    * BCNDAT=              *
DEBUG.DAT     output   * DEBUG =              *
MASSFLX.DAT   output   * FLXDAT=              *
MASSBAL.DAT   output   * BALDAT=              *
FOG.DAT       output   * FOGDAT=              *
------------------------------------------------------------------------------
All file names will be converted to lower case if LCFILES = T
Otherwise, if LCFILES = F, file names will be converted to UPPER CASE
         T = lower case      ! LCFILES = T !
         F = UPPER CASE
NOTE: (1) file/path names can be up to 70 characters in length


Provision for multiple input files
----------------------------------

     Number of CALMET.DAT files for run (NMETDAT)
                                    Default: 1       ! NMETDAT =   36  !

     Number of PTEMARB.DAT files for run (NPTDAT)
                                    Default: 0       ! NPTDAT =  0  !

     Number of BAEMARB.DAT files for run (NARDAT)
```

```
                                    Default: 0        ! NARDAT =  0  !

    Number of VOLEMARB.DAT files for run (NVOLDAT)
                                    Default: 0        ! NVOLDAT =  0  !

!END!

-------------
Subgroup (0a)
-------------

  The following CALMET.DAT filenames are processed in sequence if NMETDAT>1

Default Name  Type           File Name
------------  ----           ---------
CALMET.DAT    input     ! METDAT =D:\FLA4KM\2001\MET2001-DOM2-01A.DAT ! !END!
CALMET.DAT    input     ! METDAT =D:\FLA4KM\2001\MET2001-DOM2-01B.DAT ! !END!
CALMET.DAT    input     ! METDAT =D:\FLA4KM\2001\MET2001-DOM2-01C.DAT ! !END!
CALMET.DAT    input     ! METDAT =D:\FLA4KM\2001\MET2001-DOM2-02A.DAT ! !END!
CALMET.DAT    input     ! METDAT =D:\FLA4KM\2001\MET2001-DOM2-02B.DAT ! !END!
CALMET.DAT    input     ! METDAT =D:\FLA4KM\2001\MET2001-DOM2-02C.DAT ! !END!
CALMET.DAT    input     ! METDAT =D:\FLA4KM\2001\MET2001-DOM2-03A.DAT ! !END!
CALMET.DAT    input     ! METDAT =D:\FLA4KM\2001\MET2001-DOM2-03B.DAT ! !END!
CALMET.DAT    input     ! METDAT =D:\FLA4KM\2001\MET2001-DOM2-03C.DAT ! !END!
CALMET.DAT    input     ! METDAT =D:\FLA4KM\2001\MET2001-DOM2-04A.DAT ! !END!
CALMET.DAT    input     ! METDAT =D:\FLA4KM\2001\MET2001-DOM2-04B.DAT ! !END!
CALMET.DAT    input     ! METDAT =D:\FLA4KM\2001\MET2001-DOM2-04C.DAT ! !END!
CALMET.DAT    input     ! METDAT =D:\FLA4KM\2001\MET2001-DOM2-05A.DAT ! !END!
CALMET.DAT    input     ! METDAT =D:\FLA4KM\2001\MET2001-DOM2-05B.DAT ! !END!
CALMET.DAT    input     ! METDAT =D:\FLA4KM\2001\MET2001-DOM2-05C.DAT ! !END!
CALMET.DAT    input     ! METDAT =D:\FLA4KM\2001\MET2001-DOM2-06A.DAT ! !END!
CALMET.DAT    input     ! METDAT =D:\FLA4KM\2001\MET2001-DOM2-06B.DAT ! !END!
CALMET.DAT    input     ! METDAT =D:\FLA4KM\2001\MET2001-DOM2-06C.DAT ! !END!
CALMET.DAT    input     ! METDAT =D:\FLA4KM\2001\MET2001-DOM2-07A.DAT ! !END!
CALMET.DAT    input     ! METDAT =D:\FLA4KM\2001\MET2001-DOM2-07B.DAT ! !END!
CALMET.DAT    input     ! METDAT =D:\FLA4KM\2001\MET2001-DOM2-07C.DAT ! !END!
CALMET.DAT    input     ! METDAT =D:\FLA4KM\2001\MET2001-DOM2-08A.DAT ! !END!
CALMET.DAT    input     ! METDAT =D:\FLA4KM\2001\MET2001-DOM2-08B.DAT ! !END!
CALMET.DAT    input     ! METDAT =D:\FLA4KM\2001\MET2001-DOM2-08C.DAT ! !END!
CALMET.DAT    input     ! METDAT =D:\FLA4KM\2001\MET2001-DOM2-09A.DAT ! !END!
CALMET.DAT    input     ! METDAT =D:\FLA4KM\2001\MET2001-DOM2-09B.DAT ! !END!
CALMET.DAT    input     ! METDAT =D:\FLA4KM\2001\MET2001-DOM2-09C.DAT ! !END!
CALMET.DAT    input     ! METDAT =D:\FLA4KM\2001\MET2001-DOM2-10A.DAT ! !END!
CALMET.DAT    input     ! METDAT =D:\FLA4KM\2001\MET2001-DOM2-10B.DAT ! !END!
CALMET.DAT    input     ! METDAT =D:\FLA4KM\2001\MET2001-DOM2-10C.DAT ! !END!
CALMET.DAT    input     ! METDAT =D:\FLA4KM\2001\MET2001-DOM2-11A.DAT ! !END!
CALMET.DAT    input     ! METDAT =D:\FLA4KM\2001\MET2001-DOM2-11B.DAT ! !END!
CALMET.DAT    input     ! METDAT =D:\FLA4KM\2001\MET2001-DOM2-11C.DAT ! !END!
CALMET.DAT    input     ! METDAT =D:\FLA4KM\2001\MET2001-DOM2-12A.DAT ! !END!
CALMET.DAT    input     ! METDAT =D:\FLA4KM\2001\MET2001-DOM2-12B.DAT ! !END!
CALMET.DAT    input     ! METDAT =D:\FLA4KM\2001\MET2001-DOM2-12C.DAT ! !END!
-------------------------------------------------------------------------------

INPUT GROUP: 1 -- General run control parameters
---------------

  Option to run all periods found
  in the met. file      (METRUN)   Default: 0        ! METRUN =   0  !

       METRUN = 0 - Run period explicitly defined below
       METRUN = 1 - Run all periods in met. file

    Starting date:    Year (IBYR) -- No default       ! IBYR =  2001 !
    (used only if    Month (IBMO) -- No default       ! IBMO =  1  !
     METRUN = 0)       Day (IBDY) -- No default       ! IBDY =  1  !
                      Hour (IBHR) -- No default       ! IBHR =  1  !

    Base time zone          (XBTZ) -- No default       ! XBTZ = 5.0  !
       PST = 8., MST = 7.
       CST = 6., EST = 5.

    Length of run (hours) (IRLG) -- No default       ! IRLG = 8760 !

    Number of chemical species (NSPEC)
                                    Default: 5        ! NSPEC = 12   !
```

```
      Number of chemical species
      to be emitted  (NSE)            Default: 3       ! NSE = 10   !

      Flag to stop run after
      SETUP phase (ITEST)             Default: 2       ! ITEST =  2   !
      (Used to allow checking
      of the model inputs, files, etc.)
            ITEST = 1 - STOPS program after SETUP phase
            ITEST = 2 - Continues with execution of program
                        after SETUP

      Restart Configuration:

         Control flag (MRESTART)      Default: 0       ! MRESTART =  0   !

            0 = Do not read or write a restart file
            1 = Read a restart file at the beginning of
                the run
            2 = Write a restart file during run
            3 = Read a restart file at beginning of run
                and write a restart file during run

         Number of periods in Restart
         output cycle (NRESPD)        Default: 0       ! NRESPD =  0   !

            0 = File written only at last period
           >0 = File updated every NRESPD periods

      Meteorological Data Format (METFM)
                                      Default: 1       ! METFM =  1   !

            METFM = 1 - CALMET binary file (CALMET.MET)
            METFM = 2 - ISC ASCII file (ISCMET.MET)
            METFM = 3 - AUSPLUME ASCII file (PLMMET.MET)
            METFM = 4 - CTDM plus tower file (PROFILE.DAT) and
                        surface parameters file (SURFACE.DAT)

      PG sigma-y is adjusted by the factor (AVET/PGTIME)**0.2
      Averaging Time (minutes) (AVET)
                                      Default: 60.0    ! AVET = 60. !
      PG Averaging Time (minutes) (PGTIME)
                                      Default: 60.0    ! PGTIME = 60. !

!END!

--------------------------------------------------------------------------------

INPUT GROUP: 2 -- Technical options
--------------


      Vertical distribution used in the
      near field (MGAUSS)                 Default: 1     ! MGAUSS =  1   !
         0 = uniform
         1 = Gaussian

      Terrain adjustment method
      (MCTADJ)                            Default: 3     ! MCTADJ =  3   !
         0 = no adjustment
         1 = ISC-type of terrain adjustment
         2 = simple, CALPUFF-type of terrain
             adjustment
         3 = partial plume path adjustment

      Subgrid-scale complex terrain
      flag (MCTSG)                        Default: 0     ! MCTSG =  0   !
         0 = not modeled
         1 = modeled

      Near-field puffs modeled as
      elongated 0 (MSLUG)                 Default: 0     ! MSLUG =  0   !
         0 = no
```

```
   1 = yes (slug model used)

Transitional plume rise modeled ?
(MTRANS)                              Default: 1     ! MTRANS =  1   !
   0 = no  (i.e., final rise only)
   1 = yes (i.e., transitional rise computed)

Stack tip downwash? (MTIP)            Default: 1     ! MTIP =  1   !
   0 = no  (i.e., no stack tip downwash)
   1 = yes (i.e., use stack tip downwash)

Vertical wind shear modeled above
stack top? (MSHEAR)                   Default: 0     ! MSHEAR =  0   !
   0 = no  (i.e., vertical wind shear not modeled)
   1 = yes (i.e., vertical wind shear modeled)

Puff splitting allowed? (MSPLIT)      Default: 0     ! MSPLIT =  0   !
   0 = no (i.e., puffs not split)
   1 = yes (i.e., puffs are split)

Chemical mechanism flag (MCHEM)       Default: 1     ! MCHEM =  1   !
   0 = chemical transformation not
       modeled
   1 = transformation rates computed
       internally (MESOPUFF II scheme)
   2 = user-specified transformation
       rates used
   3 = transformation rates computed
       internally (RIVAD/ARM3 scheme)
   4 = secondary organic aerosol formation
       computed (MESOPUFF II scheme for OH)

Aqueous phase transformation flag (MAQCHEM)
(Used only if MCHEM = 1, or 3)        Default: 0     ! MAQCHEM =  0   !
   0 = aqueous phase transformation
       not modeled
   1 = transformation rates adjusted
       for aqueous phase reactions

Wet removal modeled ? (MWET)          Default: 1     ! MWET =  1   !
   0 = no
   1 = yes

Dry deposition modeled ? (MDRY)       Default: 1     ! MDRY =  1   !
   0 = no
   1 = yes
   (dry deposition method specified
    for each species in Input Group 3)

Method used to compute dispersion
coefficients (MDISP)                  Default: 3     ! MDISP =  3   !

   1 = dispersion coefficients computed from measured values
       of turbulence, sigma v, sigma w
   2 = dispersion coefficients from internally calculated
       sigma v, sigma w using micrometeorological variables
       (u*, w*, L, etc.)
   3 = PG dispersion coefficients for RURAL areas (computed using
       the ISCST multi-segment approximation) and MP coefficients in
       urban areas
   4 = same as 3 except PG coefficients computed using
       the MESOPUFF II eqns.
   5 = CTDM sigmas used for stable and neutral conditions.
       For unstable conditions, sigmas are computed as in
       MDISP = 3, described above.  MDISP = 5 assumes that
       measured values are read

Sigma-v/sigma-theta, sigma-w measurements used? (MTURBVW)
(Used only if MDISP = 1 or 5)         Default: 3     ! MTURBVW =  3   !
   1 = use sigma-v or sigma-theta measurements
       from PROFILE.DAT to compute sigma-y
       (valid for METFM = 1, 2, 3, 4)
   2 = use sigma-w measurements
       from PROFILE.DAT to compute sigma-z
       (valid for METFM = 1, 2, 3, 4)
```

```
   3 = use both sigma-(v/theta) and sigma-w
       from PROFILE.DAT to compute sigma-y and sigma-z
       (valid for METFM = 1, 2, 3, 4)
   4 = use sigma-theta measurements
       from PLMMET.DAT to compute sigma-y
       (valid only if METFM = 3)

Back-up method used to compute dispersion
when measured turbulence data are
missing (MDISP2)                        Default: 3      ! MDISP2 =  3  !
(used only if MDISP = 1 or 5)
   2 = dispersion coefficients from internally calculated
       sigma v, sigma w using micrometeorological variables
       (u*, w*, L, etc.)
   3 = PG dispersion coefficients for RURAL areas (computed using
       the ISCST multi-segment approximation) and MP coefficients in
       urban areas
   4 = same as 3 except PG coefficients computed using
       the MESOPUFF II eqns.

PG sigma-y,z adj. for roughness?        Default: 0      ! MROUGH =  0  !
(MROUGH)
   0 = no
   1 = yes

Partial plume penetration of            Default: 1      ! MPARTL =  1  !
elevated inversion?
(MPARTL)
   0 = no
   1 = yes

Strength of temperature inversion       Default: 0      ! MTINV =  0  !
provided in PROFILE.DAT extended records?
(MTINV)
   0 = no (computed from measured/default gradients)
   1 = yes

PDF used for dispersion under convective conditions?
                                        Default: 0      ! MPDF =  0  !
(MPDF)
   0 = no
   1 = yes

Sub-Grid TIBL module used for shore line?
                                        Default: 0      ! MSGTIBL = 0  !
(MSGTIBL)
   0 = no
   1 = yes

Boundary conditions (concentration) modeled?
                                        Default: 0      ! MBCON = 0  !
(MBCON)
   0 = no
   1 = yes


Analyses of fogging and icing impacts due to emissions from
arrays of mechanically-forced cooling towers can be performed
using CALPUFF in conjunction with a cooling tower emissions
processor (CTEMISS) and its associated postprocessors.  Hourly
emissions of water vapor and temperature from each cooling tower
cell are computed for the current cell configuration and ambient
conditions by CTEMISS. CALPUFF models the dispersion of these
emissions and provides cloud information in a specialized format
for further analysis. Output to FOG.DAT is provided in either
'plume mode' or 'receptor mode' format.

Configure for FOG Model output?
                                        Default: 0      ! MFOG =  0  !
(MFOG)
   0 = no
   1 = yes  - report results in PLUME Mode format
   2 = yes  - report results in RECEPTOR Mode format
```

```
     Test options specified to see if
     they conform to regulatory
     values? (MREG)                          Default: 1      ! MREG =  1    !

        0 = NO checks are made
        1 = Technical options must conform to USEPA
            Long Range Transport (LRT) guidance
                       METFM    1 or 2
                       AVET     60. (min)
                       PGTIME   60. (min)
                       MGAUSS   1
                       MCTADJ   3
                       MTRANS   1
                       MTIP     1
                       MCHEM    1 or 3 (if modeling SOx, NOx)
                       MWET     1
                       MDRY     1
                       MDISP    2 or 3
                       MPDF     0 if MDISP=3
                                1 if MDISP=2
                       MROUGH   0
                       MPARTL   1
                       SYTDEP   550. (m)
                       MHFTSZ   0


!END!

-------------------------------------------------------------------------------

INPUT GROUP: 3a, 3b -- Species list
-------------------

------------
Subgroup (3a)
------------

 The following species are modeled:

! CSPEC =          SO2 !          !END!
! CSPEC =          SO4 !          !END!
! CSPEC =          NOX !          !END!
! CSPEC =         HNO3 !          !END!
! CSPEC =          NO3 !          !END!
! CSPEC =       PM0063 !          !END!
! CSPEC =       PM0100 !          !END!
! CSPEC =       PM0125 !          !END!
! CSPEC =       PM0250 !          !END!
! CSPEC =       PM0600 !          !END!
! CSPEC =       PM1000 !          !END!
! CSPEC =           CO !          !END!


   SPECIES          MODELED          EMITTED          Dry DEPOSITED          OUTPUT GROUP NUMBER
    NAME       (0=NO, 1=YES)    (0=NO, 1=YES)    (0=NO,                   (0=NONE,
  (Limit: 12                                      1=COMPUTED-GAS           1=1st CGRUP,
   Characters                                     2=COMPUTED-PARTICLE      2=2nd CGRUP,
   in length)                                     3=USER-SPECIFIED)        3= etc.)

!          SO2  =          1,               1,          1,                 0   !
!          SO4  =          1,               1,          2,                 0   !
!          NOX  =          1,               1,          1,                 0   !
!         HNO3  =          1,               0,          1,                 0   !
!          NO3  =          1,               0,          2,                 0   !
!       PM0063  =          1,               1,          2,                 1   !
!       PM0100  =          1,               1,          2,                 1   !
!       PM0125  =          1,               1,          2,                 1   !
!       PM0250  =          1,               1,          2,                 1   !
!       PM0600  =          1,               1,          2,                 1   !
!       PM1000  =          1,               1,          2,                 1   !
!           CO  =          1,               1,          0,                 0   !

!END!
```

```
-------------
Subgroup (3b)
-------------
  The following names are used for Species-Groups in which results
  for certain species are combined (added) prior to output.  The
  CGRUP name will be used as the species name in output files.
  Use this feature to model specific particle-size distributions
  by treating each size-range as a separate species.
  Order must be consistent with 3(a) above.

! CGRUP =          PM10 !     !END!

INPUT GROUP: 4 -- Map Projection and Grid control parameters
--------------

     Projection for all (X,Y):
     -------------------------

     Map projection
     (PMAP)                     Default: UTM     ! PMAP = LCC  !

         UTM :  Universal Transverse Mercator
         TTM :  Tangential Transverse Mercator
         LCC :  Lambert Conformal Conic
          PS :  Polar Stereographic
          EM :  Equatorial Mercator
        LAZA :  Lambert Azimuthal Equal Area

     False Easting and Northing (km) at the projection origin
     (Used only if PMAP= TTM, LCC, or LAZA)
     (FEAST)                    Default=0.0      ! FEAST  = 0.000  !
     (FNORTH)                   Default=0.0      ! FNORTH = 0.000  !

     UTM zone (1 to 60)
     (Used only if PMAP=UTM)
     (IUTMZN)                   No Default       ! IUTMZN =  0 !

     Hemisphere for UTM projection?
     (Used only if PMAP=UTM)
     (UTMHEM)                   Default: N       ! UTMHEM = N  !
         N    :  Northern hemisphere projection
         S    :  Southern hemisphere projection

     Latitude and Longitude (decimal degrees) of projection origin
     (Used only if PMAP= TTM, LCC, PS, EM, or LAZA)
     (RLAT0)                    No Default       ! RLAT0 =  40N !
     (RLON0)                    No Default       ! RLON0 =  97W !

         TTM :  RLON0 identifies central (true N/S) meridian of projection
                RLAT0 selected for convenience
         LCC :  RLON0 identifies central (true N/S) meridian of projection
                RLAT0 selected for convenience
         PS  :  RLON0 identifies central (grid N/S) meridian of projection
                RLAT0 selected for convenience
         EM  :  RLON0 identifies central meridian of projection
                RLAT0 is REPLACED by 0.0N (Equator)
         LAZA:  RLON0 identifies longitude of tangent-point of mapping plane
                RLAT0 identifies latitude of tangent-point of mapping plane

     Matching parallel(s) of latitude (decimal degrees) for projection
     (Used only if PMAP= LCC or PS)
     (XLAT1)                    No Default       ! XLAT1 = 33N  !
     (XLAT2)                    No Default       ! XLAT2 = 45N  !

         LCC :  Projection cone slices through Earth's surface at XLAT1 and XLAT2
         PS  :  Projection plane slices through Earth at XLAT1
                (XLAT2 is not used)

     ----------
     Note:  Latitudes and longitudes should be positive, and include a
            letter N,S,E, or W indicating north or south latitude, and
            east or west longitude.  For example,
            35.9  N Latitude  =  35.9N
            118.7 E Longitude = 118.7E
```

Datum-region

The Datum-Region for the coordinates is identified by a character string. Many mapping products currently available use the model of the Earth known as the World Geodetic System 1984 (WGS-84). Other local models may be in use, and their selection in CALMET will make its output consistent with local mapping products. The list of Datum-Regions with official transformation parameters is provided by the National Imagery and Mapping Agency (NIMA).

NIMA Datum - Regions(Examples)

WGS-84	WGS-84 Reference Ellipsoid and Geoid, Global coverage (WGS84)
NAS-C	NORTH AMERICAN 1927 Clarke 1866 Spheroid, MEAN FOR CONUS (NAD27)
NAR-C	NORTH AMERICAN 1983 GRS 80 Spheroid, MEAN FOR CONUS (NAD83)
NWS-84	NWS 6370KM Radius, Sphere
ESR-S	ESRI REFERENCE 6371KM Radius, Sphere

Datum-region for output coordinates
(DATUM) Default: WGS-G ! DATUM = NWS-84 !

METEOROLOGICAL Grid:

Rectangular grid defined for projection PMAP,
with X the Easting and Y the Northing coordinate

No. X grid cells (NX)	No default	! NX = 263 !
No. Y grid cells (NY)	No default	! NY = 206 !
No. vertical layers (NZ)	No default	! NZ = 10 !
Grid spacing (DGRIDKM)	No default Units: km	! DGRIDKM = 4. !
Cell face heights (ZFACE(nz+1))	No defaults Units: m	

! ZFACE = 0.,20.,40.,80.,160.,320.,640.,1200.,2000.,3000.,4000. !

Reference Coordinates of SOUTHWEST corner of grid cell(1, 1):

X coordinate (XORIGKM)	No default	! XORIGKM = 721.995 !
Y coordinate (YORIGKM)	No default Units: km	! YORIGKM = -1598.000 !

COMPUTATIONAL Grid:

The computational grid is identical to or a subset of the MET. grid. The lower left (LL) corner of the computational grid is at grid point (IBCOMP, JBCOMP) of the MET. grid. The upper right (UR) corner of the computational grid is at grid point (IECOMP, JECOMP) of the MET. grid. The grid spacing of the computational grid is the same as the MET. grid.

X index of LL corner (IBCOMP) (1 <= IBCOMP <= NX)	No default	! IBCOMP = 1 !
Y index of LL corner (JBCOMP) (1 <= JBCOMP <= NY)	No default	! JBCOMP = 1 !
X index of UR corner (IECOMP) (1 <= IECOMP <= NX)	No default	! IECOMP = 263 !
Y index of UR corner (JECOMP) (1 <= JECOMP <= NY)	No default	! JECOMP = 206 !

SAMPLING Grid (GRIDDED RECEPTORS):

```
      The lower left (LL) corner of the sampling grid is at grid point
      (IBSAMP, JBSAMP) of the MET. grid.  The upper right (UR) corner of the
      sampling grid is at grid point (IESAMP, JESAMP) of the MET. grid.
      The sampling grid must be identical to or a subset of the computational
      grid.  It may be a nested grid inside the computational grid.
      The grid spacing of the sampling grid is DGRIDKM/MESHDN.

         Logical flag indicating if gridded
         receptors are used (LSAMP)          Default: T      ! LSAMP = F !
         (T=yes, F=no)

         X index of LL corner (IBSAMP)       No default      ! IBSAMP =  1   !
          (IBCOMP <= IBSAMP <= IECOMP)

         Y index of LL corner (JBSAMP)       No default      ! JBSAMP =  1   !
          (JBCOMP <= JBSAMP <= JECOMP)


         X index of UR corner (IESAMP)       No default      ! IESAMP =  263 !
          (IBCOMP <= IESAMP <= IECOMP)

         Y index of UR corner (JESAMP)       No default      ! JESAMP =  206  !
          (JBCOMP <= JESAMP <= JECOMP)


        Nesting factor of the sampling
         grid (MESHDN)                       Default: 1      ! MESHDN =  1   !
         (MESHDN is an integer >= 1)

!END!

-------------------------------------------------------------------------------


INPUT GROUP: 5 -- Output Options
--------------

      FILE                          DEFAULT VALUE             VALUE THIS RUN
      ----                          -------------             --------------

   Concentrations (ICON)                 1                    !  ICON =  1   !
   Dry Fluxes (IDRY)                     1                    !  IDRY =  1   !
   Wet Fluxes (IWET)                     1                    !  IWET =  1   !
   Relative Humidity (IVIS)              1                    !  IVIS =  1   !
    (relative humidity file is
     required for visibility
     analysis)
   Use data compression option in output file?
   (LCOMPRS)                          Default: T              ! LCOMPRS = T !

    *
     0 = Do not create file, 1 = create file


     DIAGNOSTIC MASS FLUX OUTPUT OPTIONS:

        Mass flux across specified boundaries
        for selected species reported hourly?
        (IMFLX)                         Default: 0          ! IMFLX =  0   !
          0 = no
          1 = yes (FLUXBDY.DAT and MASSFLX.DAT filenames
                   are specified in Input Group 0)

        Mass balance for each species
        reported hourly?
        (IMBAL)                         Default: 0          ! IMBAL =  0   !
          0 = no
          1 = yes (MASSBAL.DAT filename is
               specified in Input Group 0)


     LINE PRINTER OUTPUT OPTIONS:

        Print concentrations (ICPRT)    Default: 0          ! ICPRT =  0   !
```

```
      Print dry fluxes (IDPRT)          Default: 0          ! IDPRT =  0   !
      Print wet fluxes (IWPRT)          Default: 0          ! IWPRT =  0   !
      (0 = Do not print, 1 = Print)

      Concentration print interval
      (ICFRQ) in hours                  Default: 1          ! ICFRQ =  24  !
      Dry flux print interval
      (IDFRQ) in hours                  Default: 1          ! IDFRQ =  1   !
      Wet flux print interval
      (IWFRQ) in hours                  Default: 1          ! IWFRQ =  1   !

      Units for Line Printer Output
      (IPRTU)                           Default: 1          ! IPRTU =  3   !
                      for                 for
                  Concentration       Deposition
          1 =        g/m**3             g/m**2/s
          2 =       mg/m**3            mg/m**2/s
          3 =       ug/m**3            ug/m**2/s
          4 =       ng/m**3            ng/m**2/s
          5 =     Odour Units

      Messages tracking progress of run
      written to the screen ?
      (IMESG)                           Default: 2          ! IMESG =  2   !
        0 = no
        1 = yes (advection step, puff ID)
        2 = yes (YYYYJJJHH, # old puffs, # emitted puffs)


    SPECIES (or GROUP for combined species) LIST FOR OUTPUT OPTIONS

                    ---- CONCENTRATIONS ----    ------ DRY FLUXES ------    ------ WET FLUXES ----
--    -- MASS FLUX --
   SPECIES
   /GROUP          PRINTED?  SAVED ON DISK?    PRINTED?  SAVED ON DISK?    PRINTED?  SAVED ON
DISK?    SAVED ON DISK?
   -------         ------------------------    ------------------------    ----------------------
--    ---------------
!           SO2 =      0,          1,            0,          1,            0,          1,
0    !
!           SO4 =      0,          1,            0,          1,            0,          1,
0    !
!           NOX =      0,          1,            0,          1,            0,          1,
0    !
!          HNO3 =      0,          1,            0,          1,            0,          1,
0    !
!           NO3 =      0,          1,            0,          1,            0,          1,
0    !
!          PM10 =      0,          1,            0,          1,            0,          1,
0    !
!            CO =      0,          1,            0,          1,            0,          1,
0    !

    OPTIONS FOR PRINTING "DEBUG" QUANTITIES (much output)

      Logical for debug output
      (LDEBUG)                                  Default: F      ! LDEBUG = F !

      First puff to track
      (IPFDEB)                                  Default: 1      ! IPFDEB =  1  !

      Number of puffs to track
      (NPFDEB)                                  Default: 1      ! NPFDEB =  1  !

      Met. period to start output
      (NN1)                                     Default: 1      ! NN1 =  1   !

      Met. period to end output
      (NN2)                                     Default: 10     ! NN2 =  10  !

!END!
```

```
INPUT GROUP: 6a, 6b, & 6c -- Subgrid scale complex terrain inputs
-------------------------

---------------
Subgroup (6a)
---------------
       Number of terrain features (NHILL)        Default: 0      ! NHILL =  0   !

       Number of special complex terrain
       receptors  (NCTREC)                       Default: 0      ! NCTREC =  0   !

       Terrain and CTSG Receptor data for
       CTSG hills input in CTDM format ?
       (MHILL)                                   No Default      ! MHILL =  2   !
       1 = Hill and Receptor data created
           by CTDM processors & read from
           HILL.DAT and HILLRCT.DAT files
       2 = Hill data created by OPTHILL &
           input below in Subgroup (6b);
           Receptor data in Subgroup (6c)

       Factor to convert horizontal dimensions   Default: 1.0    ! XHILL2M = 1. !
       to meters (MHILL=1)

       Factor to convert vertical dimensions     Default: 1.0    ! ZHILL2M = 1. !
       to meters (MHILL=1)

       X-origin of CTDM system relative to       No Default      ! XCTDMKM = 0.0E00 !
       CALPUFF coordinate system, in Kilometers (MHILL=1)

       Y-origin of CTDM system relative to       No Default      ! YCTDMKM = 0.0E00 !
       CALPUFF coordinate system, in Kilometers (MHILL=1)

! END !

---------------
Subgroup (6b)
---------------

                      1 **
     HILL information


HILL            XC         YC        THETAH   ZGRID   RELIEF     EXPO 1     EXPO 2    SCALE 1
SCALE 2     AMAX1      AMAX2
 NO.            (km)       (km)      (deg.)    (m)      (m)        (m)        (m)        (m)
(m)         (m)        (m)
----            ----       ----      ------   -----   ------     ------     ------    -------     ----
---     -----      -----

---------------
Subgroup (6c)
---------------

    COMPLEX TERRAIN RECEPTOR INFORMATION

                      XRCT          YRCT         ZRCT          XHH
                      (km)          (km)          (m)
                      ------        -----       ------         ----


-------------------
1
     Description of Complex Terrain Variables:
          XC, YC   = Coordinates of center of hill
          THETAH   = Orientation of major axis of hill (clockwise from
                     North)
          ZGRID    = Height of the  0  of the grid above mean sea
                     level
          RELIEF   = Height of the crest of the hill above the grid elevation
          EXPO 1   = Hill-shape exponent for the major axis
          EXPO 2   = Hill-shape exponent for the major axis
          SCALE 1  = Horizontal length scale along the major axis
          SCALE 2  = Horizontal length scale along the minor axis
```

```
        AMAX    = Maximum allowed axis length for the major axis
        BMAX    = Maximum allowed axis length for the major axis

        XRCT, YRCT = Coordinates of the complex terrain receptors
        ZRCT    = Height of the ground (MSL) at the complex terrain
                  Receptor
        XHH     = Hill number associated with each complex terrain receptor
                  (NOTE: MUST BE ENTERED AS A REAL NUMBER)

  **
    NOTE: DATA for each hill and CTSG receptor are treated as a separate
          input subgroup and therefore must end with an input group terminator.
```

INPUT GROUP: 7 -- Chemical parameters for dry deposition of gases

SPECIES NAME	DIFFUSIVITY (cm**2/s)	ALPHA STAR	REACTIVITY	MESOPHYLL RESISTANCE (s/cm)	HENRY'S LAW COEFFICIENT (dimensionless)
SO2 =	0.1509,	1000,	8,	0,	0.04 !
NOX =	0.1656,	1,	8,	5,	3.5 !
HNO3 =	0.1628,	1,	18,	0,	0.00000008 !

!END!

INPUT GROUP: 8 -- Size parameters for dry deposition of particles

For SINGLE SPECIES, the mean and standard deviation are used to compute a deposition velocity for NINT (see group 9) size-ranges, and these are then averaged to obtain a mean deposition velocity.

For GROUPED SPECIES, the size distribution should be explicitly specified (by the 'species' in the group), and the standard deviation for each should be entered as 0. The model will then use the deposition velocity for the stated mean diameter.

SPECIES NAME	GEOMETRIC MASS MEAN DIAMETER (microns)	GEOMETRIC STANDARD DEVIATION (microns)
SO4 =	0.48,	2. !
NO3 =	0.48,	2. !
PM0063 =	0.63,	0. !
PM0100 =	1.00,	0. !
PM0125 =	1.25,	0. !
PM0250 =	2.50,	0. !
PM0600 =	6.00,	0. !
PM1000 =	10.00,	0. !

!END!

INPUT GROUP: 9 -- Miscellaneous dry deposition parameters

Reference cuticle resistance (s/cm)
(RCUTR) Default: 30 ! RCUTR = 30.0 !

```
     Reference ground resistance  (s/cm)
     (RGR)                          Default: 10     !    RGR = 10.0 !
     Reference pollutant reactivity
     (REACTR)                       Default: 8      ! REACTR = 8.0 !

     Number of particle-size intervals used to
     evaluate effective particle deposition velocity
     (NINT)                         Default: 9      !   NINT =  9   !

     Vegetation state in unirrigated areas
     (IVEG)                         Default: 1      !   IVEG =  1   !
        IVEG=1 for active and unstressed vegetation
        IVEG=2 for active and stressed vegetation
        IVEG=3 for inactive vegetation

!END!

--------------------------------------------------------------------------------


INPUT GROUP: 10 -- Wet Deposition Parameters
---------------

                      Scavenging Coefficient -- Units: (sec)**(-1)

       Pollutant      Liquid Precip.       Frozen Precip.
       ---------      --------------       --------------
!          SO2 =         3.0E-05,              0.0E00 !
!          SO4 =         1.0E-04,             3.0E-05 !
!         HNO3 =         6.0E-05,              0.0E00 !
!          NO3 =         1.0E-04,             3.0E-05 !
!       PM0063 =         1.0E-04,             3.0E-05 !
!       PM0100 =         1.0E-04,             3.0E-05 !
!       PM0125 =         1.0E-04,             3.0E-05 !
!       PM0250 =         1.0E-04,             3.0E-05 !
!       PM0600 =         1.0E-04,             3.0E-05 !
!       PM1000 =         1.0E-04,             3.0E-05 !

!END!

--------------------------------------------------------------------------------


INPUT GROUP: 11 -- Chemistry Parameters
---------------

     Ozone data input option (MOZ)     Default: 1            ! MOZ =  1   !
     (Used only if MCHEM = 1, 3, or 4)
        0 = use a monthly background ozone value
        1 = read hourly ozone concentrations from
            the OZONE.DAT data file

     Monthly ozone concentrations
     (Used only if MCHEM = 1, 3, or 4 and
      MOZ = 0 or MOZ = 1 and all hourly O3 data missing)
     (BCKO3) in ppb                 Default: 12*80.
     !  BCKO3 = 12*50. !

     Monthly ammonia concentrations
     (Used only if MCHEM = 1, or 3)
     (BCKNH3) in ppb                Default: 12*10.
     !  BCKNH3 = 12*0.5 !

     Nighttime SO2 loss rate (RNITE1)
     in percent/hour                Default: 0.2          ! RNITE1 = .2 !

     Nighttime NOx loss rate (RNITE2)
     in percent/hour                Default: 2.0          ! RNITE2 = 2.0 !

     Nighttime HNO3 formation rate (RNITE3)
     in percent/hour                Default: 2.0          ! RNITE3 = 2.0 !
```

```
    H2O2 data input option (MH2O2)     Default: 1            ! MH2O2 =  1   !
    (Used only if MAQCHEM = 1)
       0 = use a monthly background H2O2 value
       1 = read hourly H2O2 concentrations from
           the H2O2.DAT data file

    Monthly H2O2 concentrations
    (Used only if MQACHEM = 1 and
     MH2O2 = 0 or MH2O2 = 1 and all hourly H2O2 data missing)
    (BCKH2O2) in ppb                  Default: 12*1.
    !  BCKH2O2 = 12*1 !


--- Data for SECONDARY ORGANIC AEROSOL (SOA) Option
    (used only if MCHEM = 4)

    The SOA module uses monthly values of:
         Fine particulate concentration in ug/m^3 (BCKPMF)
         Organic fraction of fine particulate     (OFRAC)
         VOC / NOX ratio (after reaction)         (VCNX)
    to characterize the air mass when computing
    the formation of SOA from VOC emissions.
    Typical values for several distinct air mass types are:

       Month    1    2    3    4    5    6    7    8    9   10   11   12
                Jan  Feb  Mar  Apr  May  Jun  Jul  Aug  Sep  Oct  Nov  Dec

    Clean Continental
       BCKPMF   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
       OFRAC  .15  .15  .20  .20  .20  .20  .20  .20  .20  .20  .20  .15
       VCNX    50.  50.  50.  50.  50.  50.  50.  50.  50.  50.  50.  50.

    Clean Marine (surface)
       BCKPMF  .5   .5   .5   .5   .5   .5   .5   .5   .5   .5   .5   .5
       OFRAC  .25  .25  .30  .30  .30  .30  .30  .30  .30  .30  .30  .25
       VCNX    50.  50.  50.  50.  50.  50.  50.  50.  50.  50.  50.  50.

    Urban - low biogenic (controls present)
       BCKPMF 30.  30.  30.  30.  30.  30.  30.  30.  30.  30.  30.  30.
       OFRAC  .20  .20  .25  .25  .25  .25  .25  .25  .20  .20  .20  .20
       VCNX     4.   4.   4.   4.   4.   4.   4.   4.   4.   4.   4.   4.

    Urban - high biogenic (controls present)
       BCKPMF 60.  60.  60.  60.  60.  60.  60.  60.  60.  60.  60.  60.
       OFRAC  .25  .25  .30  .30  .30  .55  .55  .55  .35  .35  .35  .25
       VCNX    15.  15.  15.  15.  15.  15.  15.  15.  15.  15.  15.  15.

    Regional Plume
       BCKPMF 20.  20.  20.  20.  20.  20.  20.  20.  20.  20.  20.  20.
       OFRAC  .20  .20  .25  .35  .25  .40  .40  .40  .30  .30  .30  .20
       VCNX    15.  15.  15.  15.  15.  15.  15.  15.  15.  15.  15.  15.

    Urban - no controls present
       BCKPMF 100. 100. 100. 100. 100. 100. 100. 100. 100. 100. 100. 100.
       OFRAC  .30  .30  .35  .35  .35  .55  .55  .55  .35  .35  .35  .30
       VCNX     2.   2.   2.   2.   2.   2.   2.   2.   2.   2.   2.   2.

    Default: Clean Continental
    !  BCKPMF = 1.00, 1.00, 1.00, 1.00, 1.00, 1.00, 1.00, 1.00, 1.00, 1.00, 1.00, 1.00 !
    !  OFRAC  = 0.15, 0.15, 0.20, 0.20, 0.20, 0.20, 0.20, 0.20, 0.20, 0.20, 0.20, 0.15 !
    !  VCNX   = 50.00, 50.00, 50.00, 50.00, 50.00, 50.00, 50.00, 50.00, 50.00, 50.00,
50.00 !


!END!

-------------------------------------------------------------------------------


!NPUT GROUP: 12 -- Misc. Dispersion and Computational Parameters
!--------------

    Horizontal size of puff (m) beyond which
    time-dependent dispersion equations (Heffter)
```

```
are used to determine sigma-y and
sigma-z (SYTDEP)                          Default: 550.    ! SYTDEP = 5.5E02 !

Switch for using Heffter equation for sigma z
as above (0 = Not use Heffter; 1 = use Heffter
(MHFTSZ)                                  Default: 0       ! MHFTSZ =  0    !

Stability class used to determine plume
growth rates for puffs above the boundary
layer (JSUP)                              Default: 5       ! JSUP =  5    !

Vertical dispersion constant for stable
conditions (k1 in Eqn. 2.7-3)  (CONK1)    Default: 0.01    ! CONK1 = .01 !

Vertical dispersion constant for neutral/
unstable conditions (k2 in Eqn. 2.7-4)
(CONK2)                                   Default: 0.1     ! CONK2 = .1 !

Factor for determining Transition-point from
Schulman-Scire to Huber-Snyder Building Downwash
scheme (SS used for Hs < Hb + TBD * HL)
(TBD)                                     Default: 0.5     ! TBD = .5 !
   TBD < 0   ==> always use Huber-Snyder
   TBD = 1.5 ==> always use Schulman-Scire
   TBD = 0.5 ==> ISC Transition-point

Range of land use categories for which
urban dispersion is assumed
(IURB1, IURB2)                            Default: 10      ! IURB1 =  10  !
                                                   19      ! IURB2 =  19  !

Site characterization parameters for single-point Met data files ---------
(needed for METFM = 2,3,4)

   Land use category for modeling domain
   (ILANDUIN)                             Default: 20      ! ILANDUIN =  20  !

   Roughness length (m) for modeling domain
   (Z0IN)                                 Default: 0.25    ! Z0IN = .25 !

   Leaf area index for modeling domain
   (XLAIIN)                               Default: 3.0     ! XLAIIN = 3.0 !

   Elevation above sea level (m)
   (ELEVIN)                               Default: 0.0     ! ELEVIN = .0 !

   Latitude (degrees) for met location
   (XLATIN)                               Default: -999.   ! XLATIN = -999.0 !

   Longitude (degrees) for met location
   (XLONIN)                               Default: -999.   ! XLONIN = -999.0 !

Specialized information for interpreting single-point Met data files -----

   Anemometer height (m) (Used only if METFM = 2,3)
   (ANEMHT)                               Default: 10.     ! ANEMHT = 10.0 !

   Form of lateral turbulance data in PROFILE.DAT file
   (Used only if METFM = 4 or MTURBVW = 1 or 3)
   (ISIGMAV)                              Default: 1       ! ISIGMAV =  1  !
       0 = read sigma-theta
       1 = read sigma-v

   Choice of mixing heights (Used only if METFM = 4)
   (IMIXCTDM)                             Default: 0       ! IMIXCTDM =  0  !
       0 = read PREDICTED mixing heights
       1 = read OBSERVED mixing heights

Maximum length of a slug (met. grid units)
(XMXLEN)                                  Default: 1.0     ! XMXLEN = 1.0 !

Maximum travel distance of a puff/slug (in
grid units) during one sampling step
(XSAMLEN)                                 Default: 1.0     ! XSAMLEN = 1.0 !
```

```
    Maximum Number of slugs/puffs release from
    one source during one time step
    (MXNEW)                                    Default: 99      ! MXNEW =  99   !

    Maximum Number of sampling steps for
    one puff/slug during one time step
    (MXSAM)                                    Default: 99      ! MXSAM =  99   !

    Number of iterations used when computing
    the transport wind for a sampling step
    that includes gradual rise (for CALMET
    and PROFILE winds)
    (NCOUNT)                                   Default: 2       ! NCOUNT =  2   !

    Minimum sigma y for a new puff/slug (m)
    (SYMIN)                                    Default: 1.0     ! SYMIN = 1.0   !

    Minimum sigma z for a new puff/slug (m)
    (SZMIN)                                    Default: 1.0     ! SZMIN = 1.0   !

    Default minimum turbulence velocities sigma-v and sigma-w
    for each stability class over land and over water (m/s)
    (SVMIN(12) and SWMIN(12))

                    ---------- LAND ----------        --------- WATER ----------
       Stab Class :  A    B    C    D    E    F         A    B    C    D    E    F
                     ---  ---  ---  ---  ---  ---       ---  ---  ---  ---  ---  ---
    Default SVMIN : .50, .50, .50, .50, .50, .50,      .37, .37, .37, .37, .37, .37
    Default SWMIN : .20, .12, .08, .06, .03, .016,     .20, .12, .08, .06, .03, .016

          ! SVMIN = 0.500, 0.500, 0.500, 0.500, 0.500, 0.500, 0.370, 0.370, 0.370, 0.370,
0.370, 0.370!
          ! SWMIN = 0.200, 0.120, 0.080, 0.060, 0.030, 0.016, 0.200, 0.120, 0.080, 0.060,
0.030, 0.016!

    Divergence criterion for dw/dz across puff
    used to initiate adjustment for horizontal
    convergence (1/s)
    Partial adjustment starts at CDIV(1), and
    full adjustment is reached at CDIV(2)
    (CDIV(2))                                  Default: 0.0,0.0  ! CDIV = .0, .0 !

    Minimum wind speed (m/s) allowed for
    non-calm conditions. Also used as minimum
    speed returned when using power-law
    extrapolation toward surface
    (WSCALM)                                   Default: 0.5     ! WSCALM = .5 !

    Maximum mixing height (m)
    (XMAXZI)                                   Default: 3000.   ! XMAXZI = 3000.0 !

    Minimum mixing height (m)
    (XMINZI)                                   Default: 50.     ! XMINZI = 50.0 !

    Default wind speed classes --
    5 upper bounds (m/s) are entered;
    the 6th class has no upper limit
    (WSCAT(5))                        Default   :
                                      ISC RURAL : 1.54, 3.09, 5.14, 8.23, 10.8 (10.8+)

                                Wind Speed Class :  1     2     3     4     5
                                                    ---   ---   ---   ---   ---
                                        ! WSCAT = 1.54, 3.09, 5.14, 8.23, 10.80 !

    Default wind speed profile power-law
    exponents for stabilities 1-6
    (PLX0(6))                         Default   : ISC RURAL values
                                      ISC RURAL : .07, .07, .10, .15, .35, .55
                                      ISC URBAN : .15, .15, .20, .25, .30, .30

                                 Stability Class :  A     B     C     D     E     F
                                                    ---   ---   ---   ---   ---   ---
                                        ! PLX0 = 0.07, 0.07, 0.10, 0.15, 0.35, 0.55 !

    Default potential temperature gradient
```

```
for stable classes E, F (degK/m)
(PTG0(2))                          Default: 0.020, 0.035
                                      ! PTG0 = 0.020,    0.035 !

Default plume path coefficients for
each stability class (used when option
for partial plume height terrain adjustment
is selected -- MCTADJ=3)
(PPC(6))                  Stability Class :  A      B      C      D      E      F
                             Default  PPC :  .50,   .50,   .50,   .50,   .35,   .35
                                             ---    ---    ---    ---    ---    ---
                                      !  PPC = 0.50,  0.50,  0.50,  0.50,  0.35,  0.35 !

Slug-to-puff transition criterion factor
equal to sigma-y/length of slug
(SL2PF)                                Default: 10.         ! SL2PF = 10.0 !

Puff-splitting control variables ------------------------

  VERTICAL SPLIT
  --------------

  Number of puffs that result every time a puff
  is split - nsplit=2 means that 1 puff splits
  into 2
  (NSPLIT)                             Default:   3         ! NSPLIT =  3  !

  Time(s) of a day when split puffs are eligible to
  be split once again; this is typically set once
  per day, around sunset before nocturnal shear develops.
  24 values: 0 is midnight (00:00) and 23 is 11 PM (23:00)
  0=do not re-split    1=eligible for re-split
  (IRESPLIT(24))                       Default:  Hour 17 = 1
  !  IRESPLIT = 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0 !

  Split is allowed only if last hour's mixing
  height (m) exceeds a minimum value
  (ZISPLIT)                            Default: 100.        ! ZISPLIT = 100.0 !

  Split is allowed only if ratio of last hour's
  mixing ht to the maximum mixing ht experienced
  by the puff is less than a maximum value (this
  postpones a split until a nocturnal layer develops)
  (ROLDMAX)                            Default: 0.25        ! ROLDMAX = 0.25 !


  HORIZONTAL SPLIT
  ----------------

  Number of puffs that result every time a puff
  is split - nsplith=5 means that 1 puff splits
  into 5
  (NSPLITH)                            Default:   5         ! NSPLITH =  5  !

  Minimum sigma-y (Grid Cells Units) of puff
  before it may be split
  (SYSPLITH)                           Default:  1.0        ! SYSPLITH = 1.0 !

  Minimum puff elongation rate (SYSPLITH/hr) due to
  wind shear, before it may be split
  (SHSPLITH)                           Default:  2.         ! SHSPLITH = 2.0 !

  Minimum concentration (g/m^3) of each
  species in puff before it may be split
  Enter array of NSPEC values; if a single value is
  entered, it will be used for ALL species
  (CNSPLITH)                           Default:  1.0E-07    ! CNSPLITH = 1.0E-07 !

Integration control variables ------------------------

  Fractional convergence criterion for numerical SLUG
  sampling integration
  (EPSSLUG)                            Default:   1.0e-04   ! EPSSLUG = 1.0E-04 !

  Fractional convergence criterion for numerical AREA
```

source integration
(EPSAREA) Default: 1.0e-06 ! EPSAREA = 1.0E-06 !

Trajectory step-length (m) used for numerical rise integration
(DSRISE) Default: 1.0 ! DSRISE = 1.0 !

!END!

INPUT GROUPS: 13a, 13b, 13c, 13d -- Point source parameters

Subgroup (13a)

Number of point sources with parameters provided below (NPT1) No default ! NPT1 = 1 !

Units used for point source emissions below (IPTU) Default: 1 ! IPTU = 3 !

1 = g/s
2 = kg/hr
3 = lb/hr
4 = tons/yr
5 = Odour Unit * m**3/s (vol. flux of odour compound)
6 = Odour Unit * m**3/min
7 = metric tons/yr

Number of source-species combinations with variable emissions scaling factors provided below in (13d) (NSPT1) Default: 0 ! NSPT1 = 0 !

Number of point sources with variable emission parameters provided in external file (NPT2) No default ! NPT2 = 0 !

(If NPT2 > 0, these point source emissions are read from the file: PTEMARB.DAT)

!END!

Subgroup (13b)

---

[a]

POINT SOURCE: CONSTANT DATA

Source No.	X Coordinate (km)	Y Coordinate (km)	Stack Height (m)	Base Elevation (m)	Stack Diameter (m)	Exit Vel. (m/s)	Exit Temp. (deg. K)	[b] Bldg. Dwash	[c] Emission Rates

********** EMISSION RATES ARE IN LB/HR **********

1 ! SRCNAM = UNIT1&2!
1 ! X = 1587.130, -1321.244, 152.1, 6.1, 12.9, 16.8, 330, 1.0, 696.0, 69.6, 870.0, 0.0, 0.0,
43.1, 35.7, 14.8, 54.1, 59.0, 36.9, 2680.0 !
!END!

---

[a] Data for each source are treated as a separate input subgroup and therefore must end with an input group terminator.

SRCNAM is a 12-character name for a source (No default)
X is an array holding the source data listed by the column headings

(No default)
SIGYZI is an array holding the initial sigma-y and sigma-z (m)
(Default: 0.,0.)
FMFAC is a vertical momentum flux factor (0. or 1.0) used to represent the effect of rain-caps or other physical configurations that reduce momentum rise associated with the actual exit velocity.
(Default: 1.0 -- full momentum used)

b
0. = No building downwash modeled, 1. = downwash modeled
NOTE: must be entered as a REAL number (i.e., with decimal point)

c
An emission rate must be entered for every pollutant modeled.
Enter emission rate of zero for secondary pollutants that are modeled, but not emitted. Units are specified by IPTU
(e.g. 1 for g/s).

Subgroup (13c)

BUILDING DIMENSION DATA FOR SOURCES SUBJECT TO DOWNWASH

Source No. — Effective building width and height (in meters) every 10 degrees [a]

```
Subgroup (13c)
 1  ! SRCNAM = UNIT1&2 !
       1  !  HEIGHT =      62.48,   62.48,   43.13,   43.13,   43.13,   23.01,
                           23.01,   23.01,    0.00,   23.01,   23.01,   30.48,
                           30.48,   30.48,   28.96,   28.96,   28.96,    0.00,
                            0.00,    0.00,    0.00,   23.01,   23.01,   23.01,
                           23.01,   23.01,    0.00,   23.01,   23.01,   23.01,
                           43.13,   43.13,   43.13,   62.48,   62.48,   62.48 !

       1  !  WIDTH =       63.03,   78.78,   28.73,   29.63,   29.63,   42.66,
                           35.53,   27.33,    0.00,   27.33,   35.53,   70.08,
                           74.22,   76.10,   72.28,   75.38,   76.18,    0.00,
                            0.00,    0.00,    0.00,   52.85,   48.49,   42.66,
                           35.53,   27.33,    0.00,   27.33,   35.53,   42.66,
                           29.63,   29.63,   28.73,   78.36,   63.03,   62.50 !

       1  !  LENGTH =      19.26,  103.48,   28.73,   29.63,   29.63,   55.60,
                           56.66,   56.01,    0.00,   56.01,   56.66,   75.68,
                           76.10,   74.22,   50.53,   39.86,   27.97,    0.00,
                            0.00,    0.00,    0.00,   48.49,   52.85,   55.60,
                           56.66,   56.01,    0.00,   56.01,   56.66,   55.60,
                           29.63,   29.63,   28.73,  103.84,   19.26,    8.53 !

       1  !  XBADJ =     -322.10, -323.62, -108.27, -110.16, -108.71,  -93.10,
                          -94.31,  -92.65,    0.00,   35.85,   36.88, -215.04,
                         -215.69, -209.79, -163.61, -157.03, -145.69,    0.00,
                            0.00,    0.00,    0.00,   33.82,   36.21,   37.50,
                           37.64,   36.65,    0.00,  -91.86,  -93.55,  -92.40,
                         -108.20, -109.73, -107.93, -323.77, -322.28, -310.80 !

       1  !  YBADJ =       6.89,  -38.91,   16.55,   -0.01,  -16.56,    9.62,
                          -1.86,  -13.29,    0.00,  -13.43,   -2.14,   18.03,
                         -13.01,  -43.66,    4.97,  -19.13,  -42.65,    0.00,
                            0.00,    0.00,    0.00,  -31.37,  -20.81,   -9.62,
                            1.86,   13.29,    0.00,   13.43,    2.14,   -9.22,
                           16.99,    0.52,  -15.97,   39.28,   -6.76,   61.04 !

!END!
--------
```

a
Each pair of width and height values is treated as a separate input subgroup and therefore must end with an input group terminator.

Subgroup (13d)
---

[a]

POINT SOURCE: VARIABLE EMISSIONS DATA

Use this subgroup to describe temporal variations in the emission rates given in 13b. Factors entered multiply the rates in 13b. Skip sources here that have constant emissions. For more elaborate variation in source parameters, use PTEMARB.DAT and NPT2 > 0.

IVARY determines the type of variation, and is source-specific:
(IVARY) Default: 0

- 0 = Constant
- 1 = Diurnal cycle (24 scaling factors: hours 1-24)
- 2 = Monthly cycle (12 scaling factors: months 1-12)
- 3 = Hour & Season (4 groups of 24 hourly scaling factors, where first group is DEC-JAN-FEB)
- 4 = Speed & Stab. (6 groups of 6 scaling factors, where first group is Stability Class A, and the speed classes have upper bounds (m/s) defined in Group 12
- 5 = Temperature (12 scaling factors, where temperature classes have upper bounds (C) of: 0, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 50+)

[a] Data for each species are treated as a separate input subgroup and therefore must end with an input group terminator.

INPUT GROUPS: 14a, 14b, 14c, 14d -- Area source parameters

Subgroup (14a)

Number of polygon area sources with parameters specified below (NAR1) No default ! NAR1 = 0 !

Units used for area source emissions below (IARU) Default: 1 ! IARU = 1 !

- 1 = g/m**2/s
- 2 = kg/m**2/hr
- 3 = lb/m**2/hr
- 4 = tons/m**2/yr
- 5 = Odour Unit * m/s (vol. flux/m**2 of odour compound)
- 6 = Odour Unit * m/min
- 7 = metric tons/m**2/yr

Number of source-species combinations with variable emissions scaling factors provided below in (14d) (NSAR1) Default: 0 ! NSAR1 = 0 !

Number of buoyant polygon area sources with variable location and emission parameters (NAR2) No default ! NAR2 = 0 !
(If NAR2 > 0, ALL parameter data for these sources are read from the file: BAEMARB.DAT)

!END!

Subgroup (14b)

[a]

AREA SOURCE: CONSTANT DATA

Source No.	Effect. Height (m)	Base Elevation (m)	Initial Sigma z (m)	Emission Rates

---

a
Data for each source are treated as a separate input subgroup and therefore must end with an input group terminator.

b
An emission rate must be entered for every pollutant modeled. Enter emission rate of zero for secondary pollutants that are modeled, but not emitted. Units are specified by IARU (e.g. 1 for g/m**2/s).

Subgroup (14c)

COORDINATES (UTM-km) FOR EACH VERTEX(4) OF EACH POLYGON

Source No.	Ordered list of X followed by list of Y, grouped by source [a]

---

a
Data for each source are treated as a separate input subgroup and therefore must end with an input group terminator.

Subgroup (14d)

AREA SOURCE: VARIABLE EMISSIONS DATA [a]

Use this subgroup to describe temporal variations in the emission rates given in 14b. Factors entered multiply the rates in 14b. Skip sources here that have constant emissions. For more elaborate variation in source parameters, use BAEMARB.DAT and NAR2 > 0.

IVARY determines the type of variation, and is source-specific:
(IVARY) Default: 0

0 =	Constant	
1 =	Diurnal cycle	(24 scaling factors: hours 1-24)
2 =	Monthly cycle	(12 scaling factors: months 1-12)
3 =	Hour & Season	(4 groups of 24 hourly scaling factors, where first group is DEC-JAN-FEB)
4 =	Speed & Stab.	(6 groups of 6 scaling factors, where first group is Stability Class A, and the speed classes have upper bounds (m/s) defined in Group 12
5 =	Temperature	(12 scaling factors, where temperature classes have upper bounds (C) of: 0, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 50+)

---

a
Data for each species are treated as a separate input subgroup and therefore must end with an input group terminator.

INPUT GROUPS: 15a, 15b, 15c -- Line source parameters

Subgroup (15a)

Number of buoyant line sources with variable location and emission parameters (NLN2) — No default ! NLN2 = 0 !

(If NLN2 > 0, ALL parameter data for these sources are read from the file: LNEMARB.DAT)

Number of buoyant line sources (NLINES) — No default ! NLINES = 0 !

Units used for line source emissions below (ILNU) — Default: 1 ! ILNU = 1 !

1 = g/s
2 = kg/hr
3 = lb/hr
4 = tons/yr
5 = Odour Unit * m**3/s (vol. flux of odour compound)
6 = Odour Unit * m**3/min
7 = metric tons/yr

Number of source-species combinations with variable emissions scaling factors provided below in (15c) (NSLN1) — Default: 0 ! NSLN1 = 0 !

Maximum number of segments used to model each line (MXNSEG) — Default: 7 ! MXNSEG = 7 !

The following variables are required only if NLINES > 0. They are used in the buoyant line source plume rise calculations.

Number of distances at which transitional rise is computed	Default: 6	! NLRISE = 6 !
Average building length (XL)	No default (in meters)	! XL = .0 !
Average building height (HBL)	No default (in meters)	! HBL = .0 !
Average building width (WBL)	No default (in meters)	! WBL = .0 !
Average line source width (WML)	No default (in meters)	! WML = .0 !
Average separation between buildings (DXL)	No default (in meters)	! DXL = .0 !
Average buoyancy parameter (FPRIMEL)	No default (in m**4/s**3)	! FPRIMEL = .0 !

!END!

Subgroup (15b)

BUOYANT LINE SOURCE: CONSTANT DATA

Source No.	Beg. X Coordinate (km)	Beg. Y Coordinate (km)	End. X Coordinate (km)	End. Y Coordinate (km)	Release Height (m)	Base Elevation (m)	Emission Rates [a]

[a] Data for each source are treated as a separate input subgroup and therefore must end with an input group terminator.

[b]

An emission rate must be entered for every pollutant modeled.
Enter emission rate of zero for secondary pollutants that are
modeled, but not emitted. Units are specified by ILNTU
(e.g. 1 for g/s).

Subgroup (15c)

BUOYANT LINE SOURCE: VARIABLE EMISSIONS DATA[a]

Use this subgroup to describe temporal variations in the emission
rates given in 15b. Factors entered multiply the rates in 15b.
Skip sources here that have constant emissions.

IVARY determines the type of variation, and is source-specific:
(IVARY) Default: 0

0 =	Constant	
1 =	Diurnal cycle	(24 scaling factors: hours 1-24)
2 =	Monthly cycle	(12 scaling factors: months 1-12)
3 =	Hour & Season	(4 groups of 24 hourly scaling factors, where first group is DEC-JAN-FEB)
4 =	Speed & Stab.	(6 groups of 6 scaling factors, where first group is Stability Class A, and the speed classes have upper bounds (m/s) defined in Group 12
5 =	Temperature	(12 scaling factors, where temperature classes have upper bounds (C) of: 0, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 50+)

---
[a] Data for each species are treated as a separate input subgroup
and therefore must end with an input group terminator.

INPUT GROUPS: 16a, 16b, 16c -- Volume source parameters

Subgroup (16a)

Number of volume sources with
parameters provided in 16b,c (NVL1) No default ! NVL1 = 0 !

Units used for volume source
emissions below in 16b (IVLU) Default: 1 ! IVLU = 1 !

1 =	g/s
2 =	kg/hr
3 =	lb/hr
4 =	tons/yr
5 =	Odour Unit * m**3/s (vol. flux of odour compound)
6 =	Odour Unit * m**3/min
7 =	metric tons/yr

Number of source-species
combinations with variable
emissions scaling factors
provided below in (16c) (NSVL1) Default: 0 ! NSVL1 = 0 !

Number of volume sources with
variable location and emission
parameters (NVL2) No default ! NVL2 = 0 !

(If NVL2 > 0, ALL parameter data for
these sources are read from the VOLEMARB.DAT file(s))

!END!

Subgroup (16b)

VOLUME SOURCE: CONSTANT DATA [a]

X UTM Coordinate (km)	Y UTM Coordinate (km)	Effect. Height (m)	Base Elevation (m)	Initial Sigma y (m)	Initial Sigma z (m)	Emission Rates [b]

---

[a] Data for each source are treated as a separate input subgroup and therefore must end with an input group terminator.

[b] An emission rate must be entered for every pollutant modeled. Enter emission rate of zero for secondary pollutants that are modeled, but not emitted. Units are specified by IVLU (e.g. 1 for g/s).

Subgroup (16c)

VOLUME SOURCE: VARIABLE EMISSIONS DATA [a]

Use this subgroup to describe temporal variations in the emission rates given in 16b. Factors entered multiply the rates in 16b. Skip sources here that have constant emissions. For more elaborate variation in source parameters, use VOLEMARB.DAT and NVL2 > 0.

IVARY determines the type of variation, and is source-specific:
(IVARY) Default: 0

- 0 = Constant
- 1 = Diurnal cycle (24 scaling factors: hours 1-24)
- 2 = Monthly cycle (12 scaling factors: months 1-12)
- 3 = Hour & Season (4 groups of 24 hourly scaling factors, where first group is DEC-JAN-FEB)
- 4 = Speed & Stab. (6 groups of 6 scaling factors, where first group is Stability Class A, and the speed classes have upper bounds (m/s) defined in Group 12
- 5 = Temperature (12 scaling factors, where temperature classes have upper bounds (C) of: 0, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 50+)

---

[a] Data for each species are treated as a separate input subgroup and therefore must end with an input group terminator.

INPUT GROUPS: 17a & 17b -- Non-gridded (discrete) receptor information

---

Subgroup (17a)

Number of non-gridded receptors (NREC) No default ! NREC = 1014!

!END!

Subgroup (17b)

NON-GRIDDED (DISCRETE) RECEPTOR DATA [a]

Receptor No.	X Coordinate (km)	Y Coordinate (km)	Ground Elevation (m)	Height Above Ground [b] (m)	
RECEPTORS OBTAINED FROM THE NPS/FWS EXTRACTION PROGRAM					
ALL RECEPTORS ARE LCC (KM)					
251 RECEPTORS INCLUDES ALL NPS ENP BOUNARY RECEPTORS WITH LESS RESOLUTION IN THE INTERIOR					
1 ! X =	1660.127,	-1542.381,	0,	0.000!	!END!
2 ! X =	1654.541,	-1540.491,	0,	0.000!	!END!
3 ! X =	1657.082,	-1540.035,	0,	0.000!	!END!
4 ! X =	1659.624,	-1539.579,	0,	0.000!	!END!
5 ! X =	1662.165,	-1539.122,	0,	0.000!	!END!
6 ! X =	1664.706,	-1538.665,	0,	0.000!	!END!
7 ! X =	1651.498,	-1538.144,	0,	0.000!	!END!
8 ! X =	1654.039,	-1537.689,	0,	0.000!	!END!
9 ! X =	1656.580,	-1537.234,	0,	0.000!	!END!
10 ! X =	1659.121,	-1536.778,	0,	0.000!	!END!
11 ! X =	1661.661,	-1536.321,	0,	0.000!	!END!
12 ! X =	1664.201,	-1535.864,	0,	0.000!	!END!
13 ! X =	1666.742,	-1535.406,	0,	0.000!	!END!
14 ! X =	1669.282,	-1534.947,	0,	0.000!	!END!
15 ! X =	1648.457,	-1535.797,	0,	0.000!	!END!
16 ! X =	1650.998,	-1535.343,	0,	0.000!	!END!
17 ! X =	1653.538,	-1534.888,	0,	0.000!	!END!
18 ! X =	1656.078,	-1534.433,	0,	0.000!	!END!
19 ! X =	1658.617,	-1533.977,	0,	0.000!	!END!
20 ! X =	1661.157,	-1533.520,	0,	0.000!	!END!
21 ! X =	1663.697,	-1533.063,	0,	0.000!	!END!
22 ! X =	1666.236,	-1532.605,	0,	0.000!	!END!
23 ! X =	1668.775,	-1532.146,	0,	0.000!	!END!
24 ! X =	1671.315,	-1531.687,	0,	0.000!	!END!
25 ! X =	1673.854,	-1531.227,	0,	0.000!	!END!
26 ! X =	1645.418,	-1533.449,	0,	0.000!	!END!
27 ! X =	1647.957,	-1532.996,	0,	0.000!	!END!
28 ! X =	1650.497,	-1532.542,	0,	0.000!	!END!
29 ! X =	1653.036,	-1532.087,	0,	0.000!	!END!
30 ! X =	1655.575,	-1531.632,	0,	0.000!	!END!
31 ! X =	1658.114,	-1531.177,	0,	0.000!	!END!
32 ! X =	1660.653,	-1530.720,	0,	0.000!	!END!
33 ! X =	1663.192,	-1530.263,	0,	0.000!	!END!
34 ! X =	1665.731,	-1529.805,	0,	0.000!	!END!
35 ! X =	1668.269,	-1529.346,	0,	0.000!	!END!
36 ! X =	1670.808,	-1528.887,	0,	0.000!	!END!
37 ! X =	1673.346,	-1528.427,	0,	0.000!	!END!
38 ! X =	1675.884,	-1527.966,	0,	0.000!	!END!
39 ! X =	1642.380,	-1531.100,	0,	0.000!	!END!
40 ! X =	1644.918,	-1530.648,	0,	0.000!	!END!
41 ! X =	1647.457,	-1530.195,	0,	0.000!	!END!
42 ! X =	1649.996,	-1529.741,	0,	0.000!	!END!
43 ! X =	1652.534,	-1529.287,	0,	0.000!	!END!
44 ! X =	1655.073,	-1528.832,	0,	0.000!	!END!
45 ! X =	1657.611,	-1528.376,	0,	0.000!	!END!
46 ! X =	1660.149,	-1527.920,	0,	0.000!	!END!
47 ! X =	1662.687,	-1527.463,	0,	0.000!	!END!
48 ! X =	1665.225,	-1527.005,	0,	0.000!	!END!
49 ! X =	1667.763,	-1526.547,	0,	0.000!	!END!
50 ! X =	1670.301,	-1526.088,	0,	0.000!	!END!
51 ! X =	1672.838,	-1525.628,	0,	0.000!	!END!
52 ! X =	1675.376,	-1525.167,	0,	0.000!	!END!
53 ! X =	1677.913,	-1524.706,	0,	0.000!	!END!
54 ! X =	1680.450,	-1524.244,	0,	0.000!	!END!
55 ! X =	1639.343,	-1528.750,	0,	0.000!	!END!
56 ! X =	1641.881,	-1528.299,	0,	0.000!	!END!
57 ! X =	1644.419,	-1527.847,	0,	0.000!	!END!
58 ! X =	1646.957,	-1527.394,	0,	0.000!	!END!
59 ! X =	1649.495,	-1526.941,	0,	0.000!	!END!
60 ! X =	1652.033,	-1526.487,	0,	0.000!	!END!
61 ! X =	1654.571,	-1526.032,	0,	0.000!	!END!

```
 62 ! X =    1657.108,  -1525.576,        0,       0.000!   !END!
 63 ! X =    1659.645,  -1525.120,        0,       0.000!   !END!
 64 ! X =    1662.183,  -1524.663,        0,       0.000!   !END!
 65 ! X =    1664.720,  -1524.206,        0,       0.000!   !END!
 66 ! X =    1667.257,  -1523.747,        0,       0.000!   !END!
 67 ! X =    1669.794,  -1523.288,        0,       0.000!   !END!
 68 ! X =    1672.331,  -1522.829,        0,       0.000!   !END!
 69 ! X =    1674.867,  -1522.368,        0,       0.000!   !END!
 70 ! X =    1677.404,  -1521.907,        0,       0.000!   !END!
 71 ! X =    1679.940,  -1521.445,        0,       0.000!   !END!
 72 ! X =    1682.476,  -1520.983,        0,       0.000!   !END!
 73 ! X =    1685.012,  -1520.520,        0,       0.000!   !END!
 74 ! X =    1636.308,  -1526.400,        0,       0.000!   !END!
 75 ! X =    1638.845,  -1525.950,        0,       0.000!   !END!
 76 ! X =    1641.383,  -1525.498,        0,       0.000!   !END!
 77 ! X =    1643.920,  -1525.046,        0,       0.000!   !END!
 78 ! X =    1646.457,  -1524.594,        0,       0.000!   !END!
 79 ! X =    1648.995,  -1524.141,        0,       0.000!   !END!
 80 ! X =    1651.531,  -1523.687,        0,       0.000!   !END!
 81 ! X =    1654.068,  -1523.232,        0,       0.000!   !END!
 82 ! X =    1656.605,  -1522.777,        0,       0.000!   !END!
 83 ! X =    1659.142,  -1522.320,        0,       0.000!   !END!
 84 ! X =    1661.678,  -1521.864,        0,       0.000!   !END!
 85 ! X =    1664.215,  -1521.406,        0,       0.000!   !END!
 86 ! X =    1666.751,  -1520.948,        0,       0.000!   !END!
 87 ! X =    1669.287,  -1520.489,        0,       0.000!   !END!
 88 ! X =    1671.823,  -1520.030,        0,       0.000!   !END!
 89 ! X =    1674.359,  -1519.569,        0,       0.000!   !END!
 90 ! X =    1676.895,  -1519.108,        0,       0.000!   !END!
 91 ! X =    1679.430,  -1518.647,        0,       0.000!   !END!
 92 ! X =    1681.966,  -1518.184,        0,       0.000!   !END!
 93 ! X =    1684.501,  -1517.721,        0,       0.000!   !END!
 94 ! X =    1687.036,  -1517.258,        0,       0.000!   !END!
 95 ! X =    1689.571,  -1516.793,        0,       0.000!   !END!
 96 ! X =    1635.811,  -1523.599,        0,       0.000!   !END!
 97 ! X =    1638.348,  -1523.149,        0,       0.000!   !END!
 98 ! X =    1640.884,  -1522.698,        0,       0.000!   !END!
 99 ! X =    1643.421,  -1522.246,        0,       0.000!   !END!
100 ! X =    1645.958,  -1521.794,        0,       0.000!   !END!
101 ! X =    1648.494,  -1521.341,        0,       0.000!   !END!
102 ! X =    1651.030,  -1520.887,        0,       0.000!   !END!
103 ! X =    1653.566,  -1520.432,        0,       0.000!   !END!
104 ! X =    1656.102,  -1519.977,        0,       0.000!   !END!
105 ! X =    1658.638,  -1519.521,        0,       0.000!   !END!
106 ! X =    1661.174,  -1519.065,        0,       0.000!   !END!
107 ! X =    1663.709,  -1518.607,        0,       0.000!   !END!
108 ! X =    1666.245,  -1518.149,        0,       0.000!   !END!
109 ! X =    1668.780,  -1517.690,        0,       0.000!   !END!
110 ! X =    1671.315,  -1517.231,        0,       0.000!   !END!
111 ! X =    1673.850,  -1516.771,        0,       0.000!   !END!
112 ! X =    1676.385,  -1516.310,        0,       0.000!   !END!
113 ! X =    1678.920,  -1515.849,        0,       0.000!   !END!
114 ! X =    1681.455,  -1515.386,        0,       0.000!   !END!
115 ! X =    1683.990,  -1514.923,        0,       0.000!   !END!
116 ! X =    1686.524,  -1514.460,        0,       0.000!   !END!
117 ! X =    1689.058,  -1513.995,        0,       0.000!   !END!
118 ! X =    1632.778,  -1521.249,        0,       0.000!   !END!
119 ! X =    1635.314,  -1520.799,        0,       0.000!   !END!
120 ! X =    1637.850,  -1520.349,        0,       0.000!   !END!
121 ! X =    1640.386,  -1519.898,        0,       0.000!   !END!
122 ! X =    1642.922,  -1519.446,        0,       0.000!   !END!
123 ! X =    1645.458,  -1518.994,        0,       0.000!   !END!
124 ! X =    1647.993,  -1518.541,        0,       0.000!   !END!
125 ! X =    1650.529,  -1518.087,        0,       0.000!   !END!
126 ! X =    1653.064,  -1517.633,        0,       0.000!   !END!
127 ! X =    1655.599,  -1517.178,        0,       0.000!   !END!
128 ! X =    1658.134,  -1516.722,        0,       0.000!   !END!
129 ! X =    1660.669,  -1516.266,        0,       0.000!   !END!
130 ! X =    1663.204,  -1515.808,        0,       0.000!   !END!
131 ! X =    1665.739,  -1515.351,        0,       0.000!   !END!
132 ! X =    1668.273,  -1514.892,        0,       0.000!   !END!
133 ! X =    1670.808,  -1514.433,        0,       0.000!   !END!
134 ! X =    1673.342,  -1513.973,        0,       0.000!   !END!
135 ! X =    1675.876,  -1513.512,        0,       0.000!   !END!
136 ! X =    1678.410,  -1513.051,        0,       0.000!   !END!
```

```
137 ! X =    1680.944,   -1512.589,        0,       0.000!   !END!
138 ! X =    1683.478,   -1512.126,        0,       0.000!   !END!
139 ! X =    1686.012,   -1511.662,        0,       0.000!   !END!
140 ! X =    1688.545,   -1511.198,        0,       0.000!   !END!
141 ! X =    1691.079,   -1510.733,        1,       0.000!   !END!
142 ! X =    1629.747,   -1518.897,        0,       0.000!   !END!
143 ! X =    1632.282,   -1518.449,        0,       0.000!   !END!
144 ! X =    1634.817,   -1517.999,        0,       0.000!   !END!
145 ! X =    1637.353,   -1517.549,        0,       0.000!   !END!
146 ! X =    1639.888,   -1517.098,        0,       0.000!   !END!
147 ! X =    1642.423,   -1516.647,        0,       0.000!   !END!
148 ! X =    1644.958,   -1516.195,        0,       0.000!   !END!
149 ! X =    1647.493,   -1515.742,        0,       0.000!   !END!
150 ! X =    1650.027,   -1515.288,        0,       0.000!   !END!
151 ! X =    1652.562,   -1514.834,        0,       0.000!   !END!
152 ! X =    1655.096,   -1514.379,        0,       0.000!   !END!
153 ! X =    1657.631,   -1513.923,        0,       0.000!   !END!
154 ! X =    1660.165,   -1513.467,        0,       0.000!   !END!
155 ! X =    1662.699,   -1513.010,        0,       0.000!   !END!
156 ! X =    1665.233,   -1512.552,        0,       0.000!   !END!
157 ! X =    1667.767,   -1512.094,        0,       0.000!   !END!
158 ! X =    1670.300,   -1511.635,        0,       0.000!   !END!
159 ! X =    1672.834,   -1511.175,        1,       0.000!   !END!
160 ! X =    1675.367,   -1510.714,        1,       0.000!   !END!
161 ! X =    1677.901,   -1510.253,        0,       0.000!   !END!
162 ! X =    1680.434,   -1509.791,        0,       0.000!   !END!
163 ! X =    1682.967,   -1509.328,        0,       0.000!   !END!
164 ! X =    1685.500,   -1508.865,        0,       0.000!   !END!
165 ! X =    1688.033,   -1508.401,        0,       0.000!   !END!
166 ! X =    1690.565,   -1507.936,        0,       0.000!   !END!
167 ! X =    1693.098,   -1507.471,        0,       0.000!   !END!
168 ! X =    1626.717,   -1516.545,        0,       0.000!   !END!
169 ! X =    1629.251,   -1516.097,        0,       0.000!   !END!
170 ! X =    1631.786,   -1515.649,        1,       0.000!   !END!
171 ! X =    1634.321,   -1515.200,        0,       0.000!   !END!
172 ! X =    1636.855,   -1514.750,        0,       0.000!   !END!
173 ! X =    1639.390,   -1514.299,        1,       0.000!   !END!
174 ! X =    1641.924,   -1513.848,        0,       0.000!   !END!
175 ! X =    1644.458,   -1513.396,        0,       0.000!   !END!
176 ! X =    1646.992,   -1512.943,        0,       0.000!   !END!
177 ! X =    1649.526,   -1512.489,        0,       0.000!   !END!
178 ! X =    1652.060,   -1512.035,        0,       0.000!   !END!
179 ! X =    1654.594,   -1511.580,        0,       0.000!   !END!
180 ! X =    1657.127,   -1511.125,        0,       0.000!   !END!
181 ! X =    1659.661,   -1510.669,        0,       0.000!   !END!
182 ! X =    1662.194,   -1510.212,        0,       0.000!   !END!
183 ! X =    1664.727,   -1509.754,        0,       0.000!   !END!
184 ! X =    1667.260,   -1509.296,        0,       0.000!   !END!
185 ! X =    1669.793,   -1508.837,        0,       0.000!   !END!
186 ! X =    1672.326,   -1508.377,        0,       0.000!   !END!
187 ! X =    1674.858,   -1507.917,        0,       0.000!   !END!
188 ! X =    1677.391,   -1507.456,        0,       0.000!   !END!
189 ! X =    1679.923,   -1506.994,        0,       0.000!   !END!
190 ! X =    1682.456,   -1506.531,        0,       0.000!   !END!
191 ! X =    1684.988,   -1506.068,        0,       0.000!   !END!
192 ! X =    1687.520,   -1505.604,        0,       0.000!   !END!
193 ! X =    1690.052,   -1505.140,        0,       0.000!   !END!
194 ! X =    1692.584,   -1504.674,        0,       0.000!   !END!
195 ! X =    1695.115,   -1504.208,        0,       0.000!   !END!
196 ! X =    1623.688,   -1514.192,        0,       0.000!   !END!
197 ! X =    1626.222,   -1513.745,        0,       0.000!   !END!
198 ! X =    1628.756,   -1513.298,        1,       0.000!   !END!
199 ! X =    1631.290,   -1512.849,        1,       0.000!   !END!
200 ! X =    1633.824,   -1512.400,        1,       0.000!   !END!
201 ! X =    1636.358,   -1511.950,        1,       0.000!   !END!
202 ! X =    1638.892,   -1511.500,        1,       0.000!   !END!
203 ! X =    1641.425,   -1511.049,        1,       0.000!   !END!
204 ! X =    1643.959,   -1510.597,        1,       0.000!   !END!
205 ! X =    1646.492,   -1510.144,        1,       0.000!   !END!
206 ! X =    1649.025,   -1509.691,        0,       0.000!   !END!
207 ! X =    1651.558,   -1509.237,        0,       0.000!   !END!
208 ! X =    1654.091,   -1508.782,        0,       0.000!   !END!
209 ! X =    1656.624,   -1508.327,        0,       0.000!   !END!
210 ! X =    1659.156,   -1507.871,        1,       0.000!   !END!
211 ! X =    1661.689,   -1507.414,        1,       0.000!   !END!
```

```
212 ! X =    1664.221,   -1506.956,        1,       0.000!   !END!
213 ! X =    1666.754,   -1506.498,        0,       0.000!   !END!
214 ! X =    1669.286,   -1506.039,        0,       0.000!   !END!
215 ! X =    1671.818,   -1505.580,        0,       0.000!   !END!
216 ! X =    1674.350,   -1505.120,        0,       0.000!   !END!
217 ! X =    1676.881,   -1504.659,        0,       0.000!   !END!
218 ! X =    1679.413,   -1504.197,        0,       0.000!   !END!
219 ! X =    1681.944,   -1503.735,        0,       0.000!   !END!
220 ! X =    1684.476,   -1503.272,        0,       0.000!   !END!
221 ! X =    1687.007,   -1502.808,        0,       0.000!   !END!
222 ! X =    1689.538,   -1502.343,        0,       0.000!   !END!
223 ! X =    1692.069,   -1501.878,        0,       0.000!   !END!
224 ! X =    1694.600,   -1501.412,        1,       0.000!   !END!
225 ! X =    1697.131,   -1500.946,        0,       0.000!   !END!
226 ! X =    1620.661,   -1511.839,        0,       0.000!   !END!
227 ! X =    1623.195,   -1511.393,        0,       0.000!   !END!
228 ! X =    1625.728,   -1510.946,        0,       0.000!   !END!
229 ! X =    1628.261,   -1510.498,        1,       0.000!   !END!
230 ! X =    1630.795,   -1510.050,        1,       0.000!   !END!
231 ! X =    1633.328,   -1509.601,        1,       0.000!   !END!
232 ! X =    1635.861,   -1509.151,        1,       0.000!   !END!
233 ! X =    1638.394,   -1508.701,        1,       0.000!   !END!
234 ! X =    1640.926,   -1508.250,        1,       0.000!   !END!
235 ! X =    1643.459,   -1507.798,        1,       0.000!   !END!
236 ! X =    1645.992,   -1507.346,        1,       0.000!   !END!
237 ! X =    1648.524,   -1506.892,        1,       0.000!   !END!
238 ! X =    1651.056,   -1506.439,        1,       0.000!   !END!
239 ! X =    1653.588,   -1505.984,        1,       0.000!   !END!
240 ! X =    1656.120,   -1505.529,        1,       0.000!   !END!
241 ! X =    1658.652,   -1505.073,        0,       0.000!   !END!
242 ! X =    1661.184,   -1504.616,        1,       0.000!   !END!
243 ! X =    1663.716,   -1504.159,        1,       0.000!   !END!
244 ! X =    1666.247,   -1503.701,        1,       0.000!   !END!
245 ! X =    1668.778,   -1503.242,        1,       0.000!   !END!
246 ! X =    1671.310,   -1502.783,        1,       0.000!   !END!
247 ! X =    1673.841,   -1502.323,        0,       0.000!   !END!
248 ! X =    1676.372,   -1501.862,        0,       0.000!   !END!
249 ! X =    1678.903,   -1501.400,        0,       0.000!   !END!
250 ! X =    1681.433,   -1500.938,        0,       0.000!   !END!
251 ! X =    1683.964,   -1500.475,        0,       0.000!   !END!
252 ! X =    1686.494,   -1500.012,        0,       0.000!   !END!
253 ! X =    1689.025,   -1499.547,        0,       0.000!   !END!
254 ! X =    1691.555,   -1499.082,        0,       0.000!   !END!
255 ! X =    1694.085,   -1498.617,        1,       0.000!   !END!
256 ! X =    1696.615,   -1498.150,        0,       0.000!   !END!
257 ! X =    1699.145,   -1497.683,        0,       0.000!   !END!
258 ! X =    1620.168,   -1509.039,        0,       0.000!   !END!
259 ! X =    1622.701,   -1508.593,        1,       0.000!   !END!
260 ! X =    1625.234,   -1508.147,        1,       0.000!   !END!
261 ! X =    1627.766,   -1507.699,        1,       0.000!   !END!
262 ! X =    1630.299,   -1507.251,        1,       0.000!   !END!
263 ! X =    1632.831,   -1506.802,        1,       0.000!   !END!
264 ! X =    1635.364,   -1506.353,        1,       0.000!   !END!
265 ! X =    1637.896,   -1505.902,        1,       0.000!   !END!
266 ! X =    1640.428,   -1505.451,        1,       0.000!   !END!
267 ! X =    1642.959,   -1505.000,        1,       0.000!   !END!
268 ! X =    1645.491,   -1504.547,        1,       0.000!   !END!
269 ! X =    1648.023,   -1504.094,        1,       0.000!   !END!
270 ! X =    1650.554,   -1503.641,        1,       0.000!   !END!
271 ! X =    1653.086,   -1503.186,        1,       0.000!   !END!
272 ! X =    1655.617,   -1502.731,        1,       0.000!   !END!
273 ! X =    1658.148,   -1502.275,        1,       0.000!   !END!
274 ! X =    1660.679,   -1501.819,        1,       0.000!   !END!
275 ! X =    1663.210,   -1501.362,        1,       0.000!   !END!
276 ! X =    1665.741,   -1500.904,        1,       0.000!   !END!
277 ! X =    1668.271,   -1500.445,        1,       0.000!   !END!
278 ! X =    1670.802,   -1499.986,        1,       0.000!   !END!
279 ! X =    1673.332,   -1499.526,        1,       0.000!   !END!
280 ! X =    1675.862,   -1499.065,        1,       0.000!   !END!
281 ! X =    1678.392,   -1498.604,        1,       0.000!   !END!
282 ! X =    1680.922,   -1498.142,        0,       0.000!   !END!
283 ! X =    1683.452,   -1497.679,        0,       0.000!   !END!
284 ! X =    1685.982,   -1497.216,        0,       0.000!   !END!
285 ! X =    1688.511,   -1496.751,        1,       0.000!   !END!
286 ! X =    1691.041,   -1496.287,        0,       0.000!   !END!
```

```
287 ! X =    1693.570,   -1495.821,        0,       0.000!   !END!
288 ! X =    1617.144,   -1506.685,        0,       0.000!   !END!
289 ! X =    1619.676,   -1506.240,        0,       0.000!   !END!
290 ! X =    1622.208,   -1505.794,        1,       0.000!   !END!
291 ! X =    1624.740,   -1505.347,        1,       0.000!   !END!
292 ! X =    1627.272,   -1504.900,        1,       0.000!   !END!
293 ! X =    1629.803,   -1504.452,        1,       0.000!   !END!
294 ! X =    1632.335,   -1504.003,        1,       0.000!   !END!
295 ! X =    1634.866,   -1503.554,        1,       0.000!   !END!
296 ! X =    1637.398,   -1503.104,        1,       0.000!   !END!
297 ! X =    1639.929,   -1502.653,        1,       0.000!   !END!
298 ! X =    1642.460,   -1502.202,        0,       0.000!   !END!
299 ! X =    1644.991,   -1501.750,        0,       0.000!   !END!
300 ! X =    1647.522,   -1501.297,        1,       0.000!   !END!
301 ! X =    1650.052,   -1500.843,        1,       0.000!   !END!
302 ! X =    1652.583,   -1500.389,        1,       0.000!   !END!
303 ! X =    1655.113,   -1499.934,        1,       0.000!   !END!
304 ! X =    1657.644,   -1499.478,        1,       0.000!   !END!
305 ! X =    1660.174,   -1499.022,        1,       0.000!   !END!
306 ! X =    1662.704,   -1498.565,        1,       0.000!   !END!
307 ! X =    1665.234,   -1498.107,        1,       0.000!   !END!
308 ! X =    1667.764,   -1497.649,        1,       0.000!   !END!
309 ! X =    1670.294,   -1497.189,        1,       0.000!   !END!
310 ! X =    1672.823,   -1496.730,        1,       0.000!   !END!
311 ! X =    1675.353,   -1496.269,        1,       0.000!   !END!
312 ! X =    1677.882,   -1495.808,        1,       0.000!   !END!
313 ! X =    1680.411,   -1495.346,        0,       0.000!   !END!
314 ! X =    1682.940,   -1494.883,        0,       0.000!   !END!
315 ! X =    1685.469,   -1494.420,        1,       0.000!   !END!
316 ! X =    1687.998,   -1493.956,        1,       0.000!   !END!
317 ! X =    1690.527,   -1493.491,        0,       0.000!   !END!
318 ! X =    1693.055,   -1493.026,        0,       0.000!   !END!
319 ! X =    1616.652,   -1503.886,        0,       0.000!   !END!
320 ! X =    1619.183,   -1503.441,        0,       0.000!   !END!
321 ! X =    1621.715,   -1502.995,        1,       0.000!   !END!
322 ! X =    1624.246,   -1502.549,        1,       0.000!   !END!
323 ! X =    1626.777,   -1502.102,        1,       0.000!   !END!
324 ! X =    1629.308,   -1501.654,        1,       0.000!   !END!
325 ! X =    1631.838,   -1501.205,        0,       0.000!   !END!
326 ! X =    1634.369,   -1500.756,        1,       0.000!   !END!
327 ! X =    1636.900,   -1500.306,        1,       0.000!   !END!
328 ! X =    1639.430,   -1499.855,        0,       0.000!   !END!
329 ! X =    1641.960,   -1499.404,        0,       0.000!   !END!
330 ! X =    1644.491,   -1498.952,        0,       0.000!   !END!
331 ! X =    1647.021,   -1498.499,        1,       0.000!   !END!
332 ! X =    1649.551,   -1498.046,        1,       0.000!   !END!
333 ! X =    1652.080,   -1497.592,        1,       0.000!   !END!
334 ! X =    1654.610,   -1497.137,        1,       0.000!   !END!
335 ! X =    1657.140,   -1496.681,        1,       0.000!   !END!
336 ! X =    1659.669,   -1496.225,        1,       0.000!   !END!
337 ! X =    1662.199,   -1495.768,        1,       0.000!   !END!
338 ! X =    1664.728,   -1495.310,        1,       0.000!   !END!
339 ! X =    1667.257,   -1494.852,        1,       0.000!   !END!
340 ! X =    1669.786,   -1494.393,        1,       0.000!   !END!
341 ! X =    1672.315,   -1493.933,        1,       0.000!   !END!
342 ! X =    1674.843,   -1493.473,        1,       0.000!   !END!
343 ! X =    1677.372,   -1493.012,        1,       0.000!   !END!
344 ! X =    1679.900,   -1492.550,        1,       0.000!   !END!
345 ! X =    1682.428,   -1492.088,        1,       0.000!   !END!
346 ! X =    1684.957,   -1491.624,        1,       0.000!   !END!
347 ! X =    1687.485,   -1491.161,        1,       0.000!   !END!
348 ! X =    1690.013,   -1490.696,        1,       0.000!   !END!
349 ! X =    1692.540,   -1490.231,        1,       0.000!   !END!
350 ! X =    1618.691,   -1500.642,        0,       0.000!   !END!
351 ! X =    1621.221,   -1500.197,        1,       0.000!   !END!
352 ! X =    1623.752,   -1499.750,        1,       0.000!   !END!
353 ! X =    1626.282,   -1499.303,        1,       0.000!   !END!
354 ! X =    1628.812,   -1498.856,        1,       0.000!   !END!
355 ! X =    1631.342,   -1498.407,        0,       0.000!   !END!
356 ! X =    1633.872,   -1497.958,        0,       0.000!   !END!
357 ! X =    1636.402,   -1497.508,        1,       0.000!   !END!
358 ! X =    1638.932,   -1497.058,        1,       0.000!   !END!
359 ! X =    1641.461,   -1496.606,        0,       0.000!   !END!
360 ! X =    1643.990,   -1496.155,        1,       0.000!   !END!
361 ! X =    1646.520,   -1495.702,        1,       0.000!   !END!
```

```
362 ! X =    1649.049,   -1495.249,        1,        0.000!   !END!
363 ! X =    1651.578,   -1494.795,        1,        0.000!   !END!
364 ! X =    1654.107,   -1494.340,        1,        0.000!   !END!
365 ! X =    1656.636,   -1493.885,        1,        0.000!   !END!
366 ! X =    1659.164,   -1493.428,        1,        0.000!   !END!
367 ! X =    1661.693,   -1492.972,        1,        0.000!   !END!
368 ! X =    1664.221,   -1492.514,        1,        0.000!   !END!
369 ! X =    1666.750,   -1492.056,        1,        0.000!   !END!
370 ! X =    1669.278,   -1491.597,        1,        0.000!   !END!
371 ! X =    1671.806,   -1491.138,        1,        0.000!   !END!
372 ! X =    1674.334,   -1490.677,        1,        0.000!   !END!
373 ! X =    1676.862,   -1490.216,        1,        0.000!   !END!
374 ! X =    1679.389,   -1489.755,        1,        0.000!   !END!
375 ! X =    1681.917,   -1489.292,        1,        0.000!   !END!
376 ! X =    1684.444,   -1488.829,        1,        0.000!   !END!
377 ! X =    1686.971,   -1488.366,        1,        0.000!   !END!
378 ! X =    1689.499,   -1487.901,        1,        0.000!   !END!
379 ! X =    1692.026,   -1487.436,        1,        0.000!   !END!
380 ! X =    1618.198,   -1497.844,        0,        0.000!   !END!
381 ! X =    1620.728,   -1497.398,        1,        0.000!   !END!
382 ! X =    1623.258,   -1496.952,        1,        0.000!   !END!
383 ! X =    1625.787,   -1496.505,        1,        0.000!   !END!
384 ! X =    1628.317,   -1496.058,        1,        0.000!   !END!
385 ! X =    1630.846,   -1495.609,        1,        0.000!   !END!
386 ! X =    1633.375,   -1495.160,        0,        0.000!   !END!
387 ! X =    1635.904,   -1494.711,        0,        0.000!   !END!
388 ! X =    1638.433,   -1494.260,        0,        0.000!   !END!
389 ! X =    1640.962,   -1493.809,        1,        0.000!   !END!
390 ! X =    1643.490,   -1493.357,        1,        0.000!   !END!
391 ! X =    1646.019,   -1492.905,        1,        0.000!   !END!
392 ! X =    1648.547,   -1492.452,        1,        0.000!   !END!
393 ! X =    1651.076,   -1491.998,        1,        0.000!   !END!
394 ! X =    1653.604,   -1491.543,        1,        0.000!   !END!
395 ! X =    1656.132,   -1491.088,        1,        0.000!   !END!
396 ! X =    1658.660,   -1490.632,        1,        0.000!   !END!
397 ! X =    1661.187,   -1490.176,        1,        0.000!   !END!
398 ! X =    1663.715,   -1489.718,        1,        0.000!   !END!
399 ! X =    1666.243,   -1489.260,        1,        0.000!   !END!
400 ! X =    1668.770,   -1488.801,        1,        0.000!   !END!
401 ! X =    1671.297,   -1488.342,        1,        0.000!   !END!
402 ! X =    1673.824,   -1487.882,        1,        0.000!   !END!
403 ! X =    1676.351,   -1487.421,        1,        0.000!   !END!
404 ! X =    1617.706,   -1495.046,        0,        0.000!   !END!
405 ! X =    1620.235,   -1494.600,        1,        0.000!   !END!
406 ! X =    1622.764,   -1494.154,        1,        0.000!   !END!
407 ! X =    1625.293,   -1493.707,        1,        0.000!   !END!
408 ! X =    1627.821,   -1493.260,        0,        0.000!   !END!
409 ! X =    1630.350,   -1492.812,        1,        0.000!   !END!
410 ! X =    1632.878,   -1492.363,        0,        0.000!   !END!
411 ! X =    1635.406,   -1491.913,        1,        0.000!   !END!
412 ! X =    1637.934,   -1491.463,        1,        0.000!   !END!
413 ! X =    1640.462,   -1491.012,        1,        0.000!   !END!
414 ! X =    1642.990,   -1490.561,        1,        0.000!   !END!
415 ! X =    1645.518,   -1490.108,        1,        0.000!   !END!
416 ! X =    1648.046,   -1489.655,        1,        0.000!   !END!
417 ! X =    1650.573,   -1489.202,        1,        0.000!   !END!
418 ! X =    1653.101,   -1488.747,        1,        0.000!   !END!
419 ! X =    1655.628,   -1488.292,        1,        0.000!   !END!
420 ! X =    1658.155,   -1487.836,        1,        0.000!   !END!
421 ! X =    1660.682,   -1487.380,        1,        0.000!   !END!
422 ! X =    1663.209,   -1486.922,        1,        0.000!   !END!
423 ! X =    1665.736,   -1486.465,        1,        0.000!   !END!
424 ! X =    1668.262,   -1486.006,        1,        0.000!   !END!
425 ! X =    1670.789,   -1485.547,        1,        0.000!   !END!
426 ! X =    1673.315,   -1485.087,        1,        0.000!   !END!
427 ! X =    1675.841,   -1484.626,        1,        0.000!   !END!
428 ! X =    1617.214,   -1492.248,        0,        0.000!   !END!
429 ! X =    1619.742,   -1491.803,        0,        0.000!   !END!
430 ! X =    1622.270,   -1491.357,        0,        0.000!   !END!
431 ! X =    1624.798,   -1490.910,        1,        0.000!   !END!
432 ! X =    1627.326,   -1490.463,        1,        0.000!   !END!
433 ! X =    1629.853,   -1490.015,        1,        0.000!   !END!
434 ! X =    1632.381,   -1489.566,        1,        0.000!   !END!
435 ! X =    1634.909,   -1489.116,        1,        0.000!   !END!
436 ! X =    1637.436,   -1488.666,        1,        0.000!   !END!
```

```
437 ! X =    1639.963,   -1488.216,        1,       0.000!   !END!
438 ! X =    1642.490,   -1487.764,        1,       0.000!   !END!
439 ! X =    1645.017,   -1487.312,        1,       0.000!   !END!
440 ! X =    1647.544,   -1486.859,        1,       0.000!   !END!
441 ! X =    1650.071,   -1486.405,        1,       0.000!   !END!
442 ! X =    1652.597,   -1485.951,        1,       0.000!   !END!
443 ! X =    1655.124,   -1485.496,        1,       0.000!   !END!
444 ! X =    1657.650,   -1485.040,        1,       0.000!   !END!
445 ! X =    1660.177,   -1484.584,        1,       0.000!   !END!
446 ! X =    1662.703,   -1484.127,        1,       0.000!   !END!
447 ! X =    1665.229,   -1483.669,        1,       0.000!   !END!
448 ! X =    1667.755,   -1483.211,        1,       0.000!   !END!
449 ! X =    1670.280,   -1482.752,        1,       0.000!   !END!
450 ! X =    1672.806,   -1482.292,        1,       0.000!   !END!
451 ! X =    1675.331,   -1481.831,        1,       0.000!   !END!
452 ! X =    1616.721,   -1489.450,        0,       0.000!   !END!
453 ! X =    1619.249,   -1489.005,        0,       0.000!   !END!
454 ! X =    1621.776,   -1488.559,        0,       0.000!   !END!
455 ! X =    1624.303,   -1488.113,        1,       0.000!   !END!
456 ! X =    1626.830,   -1487.666,        1,       0.000!   !END!
457 ! X =    1629.357,   -1487.218,        1,       0.000!   !END!
458 ! X =    1631.884,   -1486.769,        1,       0.000!   !END!
459 ! X =    1634.411,   -1486.320,        1,       0.000!   !END!
460 ! X =    1636.937,   -1485.870,        1,       0.000!   !END!
461 ! X =    1639.464,   -1485.419,        1,       0.000!   !END!
462 ! X =    1641.990,   -1484.968,        1,       0.000!   !END!
463 ! X =    1644.516,   -1484.516,        1,       0.000!   !END!
464 ! X =    1647.043,   -1484.063,        1,       0.000!   !END!
465 ! X =    1649.569,   -1483.610,        1,       0.000!   !END!
466 ! X =    1652.094,   -1483.155,        1,       0.000!   !END!
467 ! X =    1654.620,   -1482.701,        1,       0.000!   !END!
468 ! X =    1657.146,   -1482.245,        1,       0.000!   !END!
469 ! X =    1659.671,   -1481.789,        1,       0.000!   !END!
470 ! X =    1662.197,   -1481.332,        1,       0.000!   !END!
471 ! X =    1664.722,   -1480.874,        1,       0.000!   !END!
472 ! X =    1667.247,   -1480.416,        1,       0.000!   !END!
473 ! X =    1669.772,   -1479.957,        1,       0.000!   !END!
474 ! X =    1672.297,   -1479.497,        1,       0.000!   !END!
475 ! X =    1674.821,   -1479.037,        1,       0.000!   !END!
476 ! X =    1616.229,   -1486.653,        0,       0.000!   !END!
477 ! X =    1618.756,   -1486.208,        0,       0.000!   !END!
478 ! X =    1621.282,   -1485.762,        1,       0.000!   !END!
479 ! X =    1623.809,   -1485.316,        1,       0.000!   !END!
480 ! X =    1626.335,   -1484.869,        1,       0.000!   !END!
481 ! X =    1628.861,   -1484.421,        1,       0.000!   !END!
482 ! X =    1631.387,   -1483.973,        1,       0.000!   !END!
483 ! X =    1633.913,   -1483.523,        1,       0.000!   !END!
484 ! X =    1636.439,   -1483.074,        1,       0.000!   !END!
485 ! X =    1638.965,   -1482.623,        1,       0.000!   !END!
486 ! X =    1641.490,   -1482.172,        1,       0.000!   !END!
487 ! X =    1644.016,   -1481.720,        1,       0.000!   !END!
488 ! X =    1646.541,   -1481.267,        1,       0.000!   !END!
489 ! X =    1649.066,   -1480.814,        1,       0.000!   !END!
490 ! X =    1651.591,   -1480.360,        1,       0.000!   !END!
491 ! X =    1654.116,   -1479.905,        1,       0.000!   !END!
492 ! X =    1656.641,   -1479.450,        1,       0.000!   !END!
493 ! X =    1659.166,   -1478.994,        1,       0.000!   !END!
494 ! X =    1661.690,   -1478.537,        1,       0.000!   !END!
495 ! X =    1664.215,   -1478.080,        1,       0.000!   !END!
496 ! X =    1666.739,   -1477.621,        1,       0.000!   !END!
497 ! X =    1669.263,   -1477.162,        1,       0.000!   !END!
498 ! X =    1671.787,   -1476.703,        1,       0.000!   !END!
499 ! X =    1674.311,   -1476.243,        1,       0.000!   !END!
500 ! X =    1615.737,   -1483.856,        0,       0.000!   !END!
501 ! X =    1618.263,   -1483.411,        1,       0.000!   !END!
502 ! X =    1620.789,   -1482.965,        1,       0.000!   !END!
503 ! X =    1623.314,   -1482.519,        1,       0.000!   !END!
504 ! X =    1625.840,   -1482.072,        1,       0.000!   !END!
505 ! X =    1628.365,   -1481.625,        1,       0.000!   !END!
506 ! X =    1630.890,   -1481.176,        1,       0.000!   !END!
507 ! X =    1633.416,   -1480.727,        1,       0.000!   !END!
508 ! X =    1635.941,   -1480.278,        1,       0.000!   !END!
509 ! X =    1638.466,   -1479.827,        1,       0.000!   !END!
510 ! X =    1640.990,   -1479.376,        1,       0.000!   !END!
511 ! X =    1643.515,   -1478.924,        1,       0.000!   !END!
```

```
512 ! X =    1646.040,   -1478.472,        1,       0.000!   !END!
513 ! X =    1648.564,   -1478.019,        1,       0.000!   !END!
514 ! X =    1651.088,   -1477.565,        1,       0.000!   !END!
515 ! X =    1653.613,   -1477.110,        1,       0.000!   !END!
516 ! X =    1656.137,   -1476.655,        1,       0.000!   !END!
517 ! X =    1658.661,   -1476.199,        1,       0.000!   !END!
518 ! X =    1661.184,   -1475.742,        1,       0.000!   !END!
519 ! X =    1663.708,   -1475.285,        1,       0.000!   !END!
520 ! X =    1666.232,   -1474.827,        1,       0.000!   !END!
521 ! X =    1668.755,   -1474.368,        1,       0.000!   !END!
522 ! X =    1671.278,   -1473.909,        1,       0.000!   !END!
523 ! X =    1673.802,   -1473.449,        1,       0.000!   !END!
524 ! X =    1612.719,   -1481.503,        0,       0.000!   !END!
525 ! X =    1615.245,   -1481.059,        0,       0.000!   !END!
526 ! X =    1617.770,   -1480.614,        1,       0.000!   !END!
527 ! X =    1620.295,   -1480.169,        1,       0.000!   !END!
528 ! X =    1622.820,   -1479.723,        1,       0.000!   !END!
529 ! X =    1625.345,   -1479.276,        1,       0.000!   !END!
530 ! X =    1627.869,   -1478.828,        1,       0.000!   !END!
531 ! X =    1630.394,   -1478.380,        1,       0.000!   !END!
532 ! X =    1632.918,   -1477.931,        1,       0.000!   !END!
533 ! X =    1635.442,   -1477.482,        1,       0.000!   !END!
534 ! X =    1637.967,   -1477.032,        1,       0.000!   !END!
535 ! X =    1640.491,   -1476.581,        1,       0.000!   !END!
536 ! X =    1643.015,   -1476.129,        1,       0.000!   !END!
537 ! X =    1645.538,   -1475.677,        1,       0.000!   !END!
538 ! X =    1648.062,   -1475.224,        1,       0.000!   !END!
539 ! X =    1650.586,   -1474.770,        1,       0.000!   !END!
540 ! X =    1653.109,   -1474.315,        1,       0.000!   !END!
541 ! X =    1655.632,   -1473.860,        1,       0.000!   !END!
542 ! X =    1658.155,   -1473.405,        1,       0.000!   !END!
543 ! X =    1660.678,   -1472.948,        1,       0.000!   !END!
544 ! X =    1663.201,   -1472.491,        1,       0.000!   !END!
545 ! X =    1665.724,   -1472.033,        1,       0.000!   !END!
546 ! X =    1668.247,   -1471.574,        1,       0.000!   !END!
547 ! X =    1670.769,   -1471.115,        1,       0.000!   !END!
548 ! X =    1673.292,   -1470.655,        1,       0.000!   !END!
549 ! X =    1612.228,   -1478.706,        0,       0.000!   !END!
550 ! X =    1614.753,   -1478.262,        1,       0.000!   !END!
551 ! X =    1617.277,   -1477.818,        1,       0.000!   !END!
552 ! X =    1619.801,   -1477.372,        1,       0.000!   !END!
553 ! X =    1622.325,   -1476.927,        1,       0.000!   !END!
554 ! X =    1624.849,   -1476.480,        1,       0.000!   !END!
555 ! X =    1627.373,   -1476.033,        1,       0.000!   !END!
556 ! X =    1629.897,   -1475.585,        1,       0.000!   !END!
557 ! X =    1632.421,   -1475.136,        1,       0.000!   !END!
558 ! X =    1634.944,   -1474.686,        1,       0.000!   !END!
559 ! X =    1637.468,   -1474.236,        1,       0.000!   !END!
560 ! X =    1639.991,   -1473.785,        1,       0.000!   !END!
561 ! X =    1642.514,   -1473.334,        1,       0.000!   !END!
562 ! X =    1645.037,   -1472.882,        1,       0.000!   !END!
563 ! X =    1647.560,   -1472.429,        1,       0.000!   !END!
564 ! X =    1650.083,   -1471.975,        1,       0.000!   !END!
565 ! X =    1652.605,   -1471.521,        1,       0.000!   !END!
566 ! X =    1655.128,   -1471.066,        1,       0.000!   !END!
567 ! X =    1657.650,   -1470.610,        1,       0.000!   !END!
568 ! X =    1660.172,   -1470.154,        1,       0.000!   !END!
569 ! X =    1662.695,   -1469.697,        1,       0.000!   !END!
570 ! X =    1665.217,   -1469.239,        1,       0.000!   !END!
571 ! X =    1667.739,   -1468.781,        1,       0.000!   !END!
572 ! X =    1670.260,   -1468.322,        1,       0.000!   !END!
573 ! X =    1672.782,   -1467.862,        1,       0.000!   !END!
574 ! X =    1609.213,   -1476.353,        0,       0.000!   !END!
575 ! X =    1611.737,   -1475.910,        1,       0.000!   !END!
576 ! X =    1614.261,   -1475.466,        1,       0.000!   !END!
577 ! X =    1616.784,   -1475.022,        1,       0.000!   !END!
578 ! X =    1619.308,   -1474.576,        1,       0.000!   !END!
579 ! X =    1621.831,   -1474.131,        1,       0.000!   !END!
580 ! X =    1624.354,   -1473.684,        1,       0.000!   !END!
581 ! X =    1626.877,   -1473.237,        1,       0.000!   !END!
582 ! X =    1629.400,   -1472.789,        1,       0.000!   !END!
583 ! X =    1631.923,   -1472.340,        1,       0.000!   !END!
584 ! X =    1634.446,   -1471.891,        1,       0.000!   !END!
585 ! X =    1636.969,   -1471.441,        1,       0.000!   !END!
586 ! X =    1639.491,   -1470.991,        1,       0.000!   !END!
```

```
587 ! X =    1642.013,   -1470.539,        1,       0.000!   !END!
588 ! X =    1644.536,   -1470.087,        1,       0.000!   !END!
589 ! X =    1647.058,   -1469.634,        1,       0.000!   !END!
590 ! X =    1649.580,   -1469.181,        1,       0.000!   !END!
591 ! X =    1652.102,   -1468.727,        1,       0.000!   !END!
592 ! X =    1654.623,   -1468.272,        1,       0.000!   !END!
593 ! X =    1657.145,   -1467.816,        1,       0.000!   !END!
594 ! X =    1659.667,   -1467.360,        1,       0.000!   !END!
595 ! X =    1662.188,   -1466.903,        1,       0.000!   !END!
596 ! X =    1664.709,   -1466.446,        1,       0.000!   !END!
597 ! X =    1667.230,   -1465.987,        1,       0.000!   !END!
598 ! X =    1669.751,   -1465.528,        1,       0.000!   !END!
599 ! X =    1672.272,   -1465.069,        1,       0.000!   !END!
600 ! X =    1674.793,   -1464.608,        1,       0.000!   !END!
601 ! X =    1608.723,   -1473.557,        0,       0.000!   !END!
602 ! X =    1611.246,   -1473.114,        1,       0.000!   !END!
603 ! X =    1613.769,   -1472.670,        1,       0.000!   !END!
604 ! X =    1616.291,   -1472.226,        1,       0.000!   !END!
605 ! X =    1618.814,   -1471.781,        1,       0.000!   !END!
606 ! X =    1621.337,   -1471.335,        1,       0.000!   !END!
607 ! X =    1623.859,   -1470.889,        1,       0.000!   !END!
608 ! X =    1626.382,   -1470.442,        1,       0.000!   !END!
609 ! X =    1628.904,   -1469.994,        1,       0.000!   !END!
610 ! X =    1631.426,   -1469.545,        1,       0.000!   !END!
611 ! X =    1633.948,   -1469.096,        1,       0.000!   !END!
612 ! X =    1636.470,   -1468.646,        1,       0.000!   !END!
613 ! X =    1638.991,   -1468.196,        1,       0.000!   !END!
614 ! X =    1641.513,   -1467.745,        1,       0.000!   !END!
615 ! X =    1644.034,   -1467.293,        1,       0.000!   !END!
616 ! X =    1646.556,   -1466.840,        1,       0.000!   !END!
617 ! X =    1649.077,   -1466.387,        1,       0.000!   !END!
618 ! X =    1651.598,   -1465.933,        1,       0.000!   !END!
619 ! X =    1654.119,   -1465.478,        1,       0.000!   !END!
620 ! X =    1656.640,   -1465.023,        1,       0.000!   !END!
621 ! X =    1659.161,   -1464.567,        1,       0.000!   !END!
622 ! X =    1661.681,   -1464.110,        1,       0.000!   !END!
623 ! X =    1664.202,   -1463.652,        1,       0.000!   !END!
624 ! X =    1666.722,   -1463.194,        1,       0.000!   !END!
625 ! X =    1669.242,   -1462.735,        1,       0.000!   !END!
626 ! X =    1671.763,   -1462.276,        1,       0.000!   !END!
627 ! X =    1674.282,   -1461.816,        1,       0.000!   !END!
628 ! X =    1605.710,   -1471.203,        0,       0.000!   !END!
629 ! X =    1608.232,   -1470.761,        0,       0.000!   !END!
630 ! X =    1610.754,   -1470.318,        0,       0.000!   !END!
631 ! X =    1613.277,   -1469.874,        1,       0.000!   !END!
632 ! X =    1615.799,   -1469.430,        1,       0.000!   !END!
633 ! X =    1618.321,   -1468.985,        1,       0.000!   !END!
634 ! X =    1620.842,   -1468.540,        1,       0.000!   !END!
635 ! X =    1623.364,   -1468.093,        0,       0.000!   !END!
636 ! X =    1625.886,   -1467.647,        1,       0.000!   !END!
637 ! X =    1628.407,   -1467.199,        1,       0.000!   !END!
638 ! X =    1630.928,   -1466.751,        1,       0.000!   !END!
639 ! X =    1633.450,   -1466.302,        1,       0.000!   !END!
640 ! X =    1635.971,   -1465.852,        1,       0.000!   !END!
641 ! X =    1638.492,   -1465.402,        1,       0.000!   !END!
642 ! X =    1641.013,   -1464.950,        1,       0.000!   !END!
643 ! X =    1643.533,   -1464.499,        1,       0.000!   !END!
644 ! X =    1646.054,   -1464.046,        1,       0.000!   !END!
645 ! X =    1648.574,   -1463.593,        1,       0.000!   !END!
646 ! X =    1651.095,   -1463.139,        1,       0.000!   !END!
647 ! X =    1653.615,   -1462.685,        1,       0.000!   !END!
648 ! X =    1656.135,   -1462.229,        1,       0.000!   !END!
649 ! X =    1658.655,   -1461.773,        1,       0.000!   !END!
650 ! X =    1661.175,   -1461.317,        1,       0.000!   !END!
651 ! X =    1663.695,   -1460.859,        1,       0.000!   !END!
652 ! X =    1666.214,   -1460.401,        1,       0.000!   !END!
653 ! X =    1668.734,   -1459.943,        1,       0.000!   !END!
654 ! X =    1671.253,   -1459.483,        1,       0.000!   !END!
655 ! X =    1673.772,   -1459.023,        1,       0.000!   !END!
656 ! X =    1602.698,   -1468.848,        0,       0.000!   !END!
657 ! X =    1605.220,   -1468.407,        0,       0.000!   !END!
658 ! X =    1607.742,   -1467.965,        1,       0.000!   !END!
659 ! X =    1610.263,   -1467.522,        1,       0.000!   !END!
660 ! X =    1612.785,   -1467.079,        1,       0.000!   !END!
661 ! X =    1615.306,   -1466.635,        1,       0.000!   !END!
```

```
662 ! X =    1617.827,  -1466.190,        0,       0.000!   !END!
663 ! X =    1620.348,  -1465.745,        1,       0.000!   !END!
664 ! X =    1622.869,  -1465.299,        1,       0.000!   !END!
665 ! X =    1625.390,  -1464.852,        1,       0.000!   !END!
666 ! X =    1627.911,  -1464.404,        1,       0.000!   !END!
667 ! X =    1630.431,  -1463.956,        1,       0.000!   !END!
668 ! X =    1632.952,  -1463.507,        1,       0.000!   !END!
669 ! X =    1635.472,  -1463.058,        1,       0.000!   !END!
670 ! X =    1637.992,  -1462.607,        1,       0.000!   !END!
671 ! X =    1640.512,  -1462.156,        1,       0.000!   !END!
672 ! X =    1643.032,  -1461.705,        1,       0.000!   !END!
673 ! X =    1645.552,  -1461.252,        1,       0.000!   !END!
674 ! X =    1648.072,  -1460.799,        1,       0.000!   !END!
675 ! X =    1650.591,  -1460.346,        1,       0.000!   !END!
676 ! X =    1653.111,  -1459.891,        1,       0.000!   !END!
677 ! X =    1655.630,  -1459.436,        1,       0.000!   !END!
678 ! X =    1658.149,  -1458.980,        1,       0.000!   !END!
679 ! X =    1660.668,  -1458.524,        1,       0.000!   !END!
680 ! X =    1663.187,  -1458.067,        1,       0.000!   !END!
681 ! X =    1665.706,  -1457.609,        1,       0.000!   !END!
682 ! X =    1668.225,  -1457.150,        1,       0.000!   !END!
683 ! X =    1670.743,  -1456.691,        1,       0.000!   !END!
684 ! X =    1673.262,  -1456.231,        1,       0.000!   !END!
685 ! X =    1602.209,  -1466.052,        0,       0.000!   !END!
686 ! X =    1604.731,  -1465.611,        0,       0.000!   !END!
687 ! X =    1607.251,  -1465.169,        1,       0.000!   !END!
688 ! X =    1609.772,  -1464.727,        1,       0.000!   !END!
689 ! X =    1612.293,  -1464.284,        1,       0.000!   !END!
690 ! X =    1614.813,  -1463.840,        1,       0.000!   !END!
691 ! X =    1617.334,  -1463.395,        1,       0.000!   !END!
692 ! X =    1619.854,  -1462.950,        1,       0.000!   !END!
693 ! X =    1622.374,  -1462.504,        1,       0.000!   !END!
694 ! X =    1624.894,  -1462.057,        1,       0.000!   !END!
695 ! X =    1627.414,  -1461.610,        1,       0.000!   !END!
696 ! X =    1629.934,  -1461.162,        1,       0.000!   !END!
697 ! X =    1632.454,  -1460.713,        1,       0.000!   !END!
698 ! X =    1634.973,  -1460.264,        1,       0.000!   !END!
699 ! X =    1637.493,  -1459.814,        1,       0.000!   !END!
700 ! X =    1640.012,  -1459.363,        1,       0.000!   !END!
701 ! X =    1642.531,  -1458.911,        1,       0.000!   !END!
702 ! X =    1645.050,  -1458.459,        1,       0.000!   !END!
703 ! X =    1647.569,  -1458.006,        1,       0.000!   !END!
704 ! X =    1650.088,  -1457.553,        1,       0.000!   !END!
705 ! X =    1652.607,  -1457.098,        1,       0.000!   !END!
706 ! X =    1655.125,  -1456.643,        1,       0.000!   !END!
707 ! X =    1657.644,  -1456.188,        1,       0.000!   !END!
708 ! X =    1660.162,  -1455.731,        1,       0.000!   !END!
709 ! X =    1662.680,  -1455.274,        1,       0.000!   !END!
710 ! X =    1665.198,  -1454.816,        1,       0.000!   !END!
711 ! X =    1667.716,  -1454.358,        1,       0.000!   !END!
712 ! X =    1670.234,  -1453.899,        1,       0.000!   !END!
713 ! X =    1672.751,  -1453.439,        1,       0.000!   !END!
714 ! X =    1675.269,  -1452.979,        1,       0.000!   !END!
715 ! X =    1599.200,  -1463.697,        0,       0.000!   !END!
716 ! X =    1601.721,  -1463.257,        0,       0.000!   !END!
717 ! X =    1604.241,  -1462.816,        0,       0.000!   !END!
718 ! X =    1606.761,  -1462.374,        1,       0.000!   !END!
719 ! X =    1609.281,  -1461.932,        1,       0.000!   !END!
720 ! X =    1611.801,  -1461.489,        1,       0.000!   !END!
721 ! X =    1614.321,  -1461.045,        1,       0.000!   !END!
722 ! X =    1616.840,  -1460.601,        1,       0.000!   !END!
723 ! X =    1619.360,  -1460.155,        1,       0.000!   !END!
724 ! X =    1621.879,  -1459.710,        1,       0.000!   !END!
725 ! X =    1644.548,  -1455.666,        1,       0.000!   !END!
726 ! X =    1647.066,  -1455.213,        1,       0.000!   !END!
727 ! X =    1649.585,  -1454.760,        1,       0.000!   !END!
728 ! X =    1652.102,  -1454.306,        1,       0.000!   !END!
729 ! X =    1654.620,  -1453.851,        1,       0.000!   !END!
730 ! X =    1657.138,  -1453.395,        1,       0.000!   !END!
731 ! X =    1659.655,  -1452.939,        1,       0.000!   !END!
732 ! X =    1662.173,  -1452.482,        1,       0.000!   !END!
733 ! X =    1664.690,  -1452.024,        1,       0.000!   !END!
734 ! X =    1667.207,  -1451.566,        1,       0.000!   !END!
735 ! X =    1669.724,  -1451.107,        1,       0.000!   !END!
736 ! X =    1672.241,  -1450.647,        1,       0.000!   !END!
```

```
737 ! X =    1596.193,   -1461.341,        0,       0.000!   !END!
738 ! X =    1598.712,   -1460.902,        0,       0.000!   !END!
739 ! X =    1601.232,   -1460.462,        1,       0.000!   !END!
740 ! X =    1603.752,   -1460.021,        1,       0.000!   !END!
741 ! X =    1606.271,   -1459.579,        1,       0.000!   !END!
742 ! X =    1608.790,   -1459.137,        1,       0.000!   !END!
743 ! X =    1611.309,   -1458.694,        1,       0.000!   !END!
744 ! X =    1613.828,   -1458.250,        1,       0.000!   !END!
745 ! X =    1616.347,   -1457.806,        1,       0.000!   !END!
746 ! X =    1618.866,   -1457.361,        1,       0.000!   !END!
747 ! X =    1621.384,   -1456.915,        1,       0.000!   !END!
748 ! X =    1644.047,   -1452.873,        1,       0.000!   !END!
749 ! X =    1646.564,   -1452.420,        1,       0.000!   !END!
750 ! X =    1649.081,   -1451.967,        1,       0.000!   !END!
751 ! X =    1651.598,   -1451.513,        1,       0.000!   !END!
752 ! X =    1654.115,   -1451.058,        1,       0.000!   !END!
753 ! X =    1656.632,   -1450.603,        1,       0.000!   !END!
754 ! X =    1659.149,   -1450.147,        1,       0.000!   !END!
755 ! X =    1661.666,   -1449.690,        1,       0.000!   !END!
756 ! X =    1664.182,   -1449.233,        1,       0.000!   !END!
757 ! X =    1666.699,   -1448.775,        1,       0.000!   !END!
758 ! X =    1669.215,   -1448.316,        1,       0.000!   !END!
759 ! X =    1671.731,   -1447.856,        1,       0.000!   !END!
760 ! X =    1674.247,   -1447.396,        1,       0.000!   !END!
761 ! X =    1676.763,   -1446.935,        1,       0.000!   !END!
762 ! X =    1593.187,   -1458.985,        0,       0.000!   !END!
763 ! X =    1595.706,   -1458.546,        0,       0.000!   !END!
764 ! X =    1598.225,   -1458.107,        0,       0.000!   !END!
765 ! X =    1600.743,   -1457.667,        1,       0.000!   !END!
766 ! X =    1603.262,   -1457.226,        1,       0.000!   !END!
767 ! X =    1605.781,   -1456.785,        1,       0.000!   !END!
768 ! X =    1608.299,   -1456.342,        1,       0.000!   !END!
769 ! X =    1610.818,   -1455.900,        1,       0.000!   !END!
770 ! X =    1613.336,   -1455.456,        1,       0.000!   !END!
771 ! X =    1615.854,   -1455.012,        1,       0.000!   !END!
772 ! X =    1618.372,   -1454.567,        1,       0.000!   !END!
773 ! X =    1643.545,   -1450.080,        1,       0.000!   !END!
774 ! X =    1646.061,   -1449.628,        1,       0.000!   !END!
775 ! X =    1648.578,   -1449.175,        1,       0.000!   !END!
776 ! X =    1651.094,   -1448.721,        1,       0.000!   !END!
777 ! X =    1653.611,   -1448.266,        1,       0.000!   !END!
778 ! X =    1656.127,   -1447.811,        1,       0.000!   !END!
779 ! X =    1658.643,   -1447.355,        1,       0.000!   !END!
780 ! X =    1661.159,   -1446.898,        1,       0.000!   !END!
781 ! X =    1663.674,   -1446.441,        1,       0.000!   !END!
782 ! X =    1666.190,   -1445.983,        1,       0.000!   !END!
783 ! X =    1668.705,   -1445.524,        1,       0.000!   !END!
784 ! X =    1671.221,   -1445.065,        1,       0.000!   !END!
785 ! X =    1673.736,   -1444.605,        1,       0.000!   !END!
786 ! X =    1676.251,   -1444.144,        1,       0.000!   !END!
787 ! X =    1590.182,   -1456.627,        0,       0.000!   !END!
788 ! X =    1592.700,   -1456.190,        0,       0.000!   !END!
789 ! X =    1595.219,   -1455.751,        0,       0.000!   !END!
790 ! X =    1597.737,   -1455.312,        1,       0.000!   !END!
791 ! X =    1600.255,   -1454.872,        1,       0.000!   !END!
792 ! X =    1602.773,   -1454.431,        1,       0.000!   !END!
793 ! X =    1605.291,   -1453.990,        1,       0.000!   !END!
794 ! X =    1607.808,   -1453.548,        1,       0.000!   !END!
795 ! X =    1610.326,   -1453.106,        1,       0.000!   !END!
796 ! X =    1612.843,   -1452.662,        1,       0.000!   !END!
797 ! X =    1615.361,   -1452.218,        1,       0.000!   !END!
798 ! X =    1643.043,   -1447.288,        1,       0.000!   !END!
799 ! X =    1645.559,   -1446.836,        1,       0.000!   !END!
800 ! X =    1648.075,   -1446.383,        1,       0.000!   !END!
801 ! X =    1650.590,   -1445.929,        1,       0.000!   !END!
802 ! X =    1653.106,   -1445.475,        1,       0.000!   !END!
803 ! X =    1655.621,   -1445.019,        1,       0.000!   !END!
804 ! X =    1658.136,   -1444.564,        1,       0.000!   !END!
805 ! X =    1660.652,   -1444.107,        1,       0.000!   !END!
806 ! X =    1663.167,   -1443.650,        1,       0.000!   !END!
807 ! X =    1665.681,   -1443.192,        1,       0.000!   !END!
808 ! X =    1668.196,   -1442.733,        1,       0.000!   !END!
809 ! X =    1670.711,   -1442.274,        1,       0.000!   !END!
810 ! X =    1673.225,   -1441.814,        1,       0.000!   !END!
811 ! X =    1675.740,   -1441.354,        1,       0.000!   !END!
```

```
812 ! X =    1587.179,   -1454.269,        0,       0.000!   !END!
813 ! X =    1589.696,   -1453.832,        0,       0.000!   !END!
814 ! X =    1592.214,   -1453.395,        1,       0.000!   !END!
815 ! X =    1594.732,   -1452.956,        1,       0.000!   !END!
816 ! X =    1597.249,   -1452.517,        1,       0.000!   !END!
817 ! X =    1599.766,   -1452.078,        1,       0.000!   !END!
818 ! X =    1602.283,   -1451.637,        1,       0.000!   !END!
819 ! X =    1604.800,   -1451.196,        1,       0.000!   !END!
820 ! X =    1607.317,   -1450.754,        1,       0.000!   !END!
821 ! X =    1609.834,   -1450.312,        1,       0.000!   !END!
822 ! X =    1612.351,   -1449.868,        1,       0.000!   !END!
823 ! X =    1614.867,   -1449.425,        1,       0.000!   !END!
824 ! X =    1642.542,   -1444.496,        1,       0.000!   !END!
825 ! X =    1645.057,   -1444.044,        1,       0.000!   !END!
826 ! X =    1647.572,   -1443.591,        1,       0.000!   !END!
827 ! X =    1650.086,   -1443.137,        1,       0.000!   !END!
828 ! X =    1652.601,   -1442.683,        1,       0.000!   !END!
829 ! X =    1655.116,   -1442.228,        1,       0.000!   !END!
830 ! X =    1657.630,   -1441.772,        1,       0.000!   !END!
831 ! X =    1660.145,   -1441.316,        1,       0.000!   !END!
832 ! X =    1662.659,   -1440.859,        1,       0.000!   !END!
833 ! X =    1665.173,   -1440.401,        1,       0.000!   !END!
834 ! X =    1667.687,   -1439.943,        1,       0.000!   !END!
835 ! X =    1670.201,   -1439.484,        1,       0.000!   !END!
836 ! X =    1672.714,   -1439.024,        1,       0.000!   !END!
837 ! X =    1675.228,   -1438.563,        1,       0.000!   !END!
838 ! X =    1584.177,   -1451.911,        0,       0.000!   !END!
839 ! X =    1586.694,   -1451.475,        0,       0.000!   !END!
840 ! X =    1589.211,   -1451.038,        0,       0.000!   !END!
841 ! X =    1591.728,   -1450.600,        0,       0.000!   !END!
842 ! X =    1594.245,   -1450.162,        1,       0.000!   !END!
843 ! X =    1596.761,   -1449.723,        1,       0.000!   !END!
844 ! X =    1599.278,   -1449.283,        1,       0.000!   !END!
845 ! X =    1601.794,   -1448.843,        1,       0.000!   !END!
846 ! X =    1604.310,   -1448.402,        1,       0.000!   !END!
847 ! X =    1606.827,   -1447.960,        1,       0.000!   !END!
848 ! X =    1609.343,   -1447.518,        1,       0.000!   !END!
849 ! X =    1642.040,   -1441.704,        1,       0.000!   !END!
850 ! X =    1644.554,   -1441.252,        1,       0.000!   !END!
851 ! X =    1647.069,   -1440.799,        1,       0.000!   !END!
852 ! X =    1649.583,   -1440.346,        1,       0.000!   !END!
853 ! X =    1652.097,   -1439.892,        1,       0.000!   !END!
854 ! X =    1654.610,   -1439.437,        1,       0.000!   !END!
855 ! X =    1657.124,   -1438.981,        1,       0.000!   !END!
856 ! X =    1659.638,   -1438.525,        1,       0.000!   !END!
857 ! X =    1662.151,   -1438.068,        1,       0.000!   !END!
858 ! X =    1664.664,   -1437.611,        1,       0.000!   !END!
859 ! X =    1667.178,   -1437.152,        1,       0.000!   !END!
860 ! X =    1669.691,   -1436.693,        1,       0.000!   !END!
861 ! X =    1672.204,   -1436.234,        1,       0.000!   !END!
862 ! X =    1674.716,   -1435.773,        1,       0.000!   !END!
863 ! X =    1581.176,   -1449.551,        0,       0.000!   !END!
864 ! X =    1583.693,   -1449.116,        0,       0.000!   !END!
865 ! X =    1586.209,   -1448.680,        0,       0.000!   !END!
866 ! X =    1588.726,   -1448.243,        0,       0.000!   !END!
867 ! X =    1591.242,   -1447.806,        1,       0.000!   !END!
868 ! X =    1593.758,   -1447.368,        1,       0.000!   !END!
869 ! X =    1596.274,   -1446.929,        1,       0.000!   !END!
870 ! X =    1598.789,   -1446.490,        1,       0.000!   !END!
871 ! X =    1601.305,   -1446.049,        1,       0.000!   !END!
872 ! X =    1603.820,   -1445.609,        1,       0.000!   !END!
873 ! X =    1575.662,   -1447.625,        0,       0.000!   !END!
874 ! X =    1578.178,   -1447.191,        0,       0.000!   !END!
875 ! X =    1580.693,   -1446.757,        0,       0.000!   !END!
876 ! X =    1583.209,   -1446.322,        0,       0.000!   !END!
877 ! X =    1585.725,   -1445.886,        1,       0.000!   !END!
878 ! X =    1588.240,   -1445.449,        0,       0.000!   !END!
879 ! X =    1590.756,   -1445.012,        0,       0.000!   !END!
880 ! X =    1593.271,   -1444.574,        1,       0.000!   !END!
881 ! X =    1595.786,   -1444.135,        1,       0.000!   !END!
882 ! X =    1598.301,   -1443.696,        1,       0.000!   !END!
883 ! X =    1575.180,   -1444.831,        0,       0.000!   !END!
884 ! X =    1577.695,   -1444.397,        0,       0.000!   !END!
885 ! X =    1580.210,   -1443.963,        0,       0.000!   !END!
886 ! X =    1582.725,   -1443.527,        1,       0.000!   !END!
```

```
887 ! X =    1585.240,   -1443.092,        1,        0.000!   !END!
888 ! X =    1587.755,   -1442.655,        0,        0.000!   !END!
889 ! X =    1590.270,   -1442.218,        1,        0.000!   !END!
890 ! X =    1592.784,   -1441.780,        1,        0.000!   !END!
891 ! X =    1595.298,   -1441.342,        1,        0.000!   !END!
892 ! X =    1597.813,   -1440.903,        1,        0.000!   !END!
893 ! X =    1577.213,   -1441.603,        1,        0.000!   !END!
894 ! X =    1579.728,   -1441.169,        1,        0.000!   !END!
895 ! X =    1582.242,   -1440.734,        1,        0.000!   !END!
896 ! X =    1589.784,   -1439.425,        1,        0.000!   !END!
897 ! X =    1592.297,   -1438.987,        1,        0.000!   !END!
898 ! X =    1594.811,   -1438.549,        1,        0.000!   !END!
899 ! X =    1597.324,   -1438.110,        1,        0.000!   !END!
900 ! X =    1579.245,   -1438.375,        1,        0.000!   !END!
901 ! X =    1581.758,   -1437.940,        1,        0.000!   !END!

113 RECEPTORS INCLUDES ALL CHASSAHOWITZKA NWA RECEPTORS
  1 ! X =    1408.318,   -1154.049,      0.000,      0.000!   !END!
  2 ! X =    1409.130,   -1153.920,      1.000,      0.000!   !END!
  3 ! X =    1409.941,   -1153.791,      1.000,      0.000!   !END!
  4 ! X =    1410.753,   -1153.661,      3.000,      0.000!   !END!
  5 ! X =    1407.359,   -1153.254,      0.000,      0.000!   !END!
  6 ! X =    1408.171,   -1153.124,      0.000,      0.000!   !END!
  7 ! X =    1408.983,   -1152.995,      1.000,      0.000!   !END!
  8 ! X =    1409.794,   -1152.866,      1.000,      0.000!   !END!
  9 ! X =    1410.606,   -1152.737,      2.000,      0.000!   !END!
 10 ! X =    1406.401,   -1152.458,      0.000,      0.000!   !END!
 11 ! X =    1407.212,   -1152.329,      0.000,      0.000!   !END!
 12 ! X =    1408.024,   -1152.200,      0.000,      0.000!   !END!
 13 ! X =    1408.835,   -1152.071,      1.000,      0.000!   !END!
 14 ! X =    1409.647,   -1151.941,      1.000,      0.000!   !END!
 15 ! X =    1410.458,   -1151.812,      2.000,      0.000!   !END!
 16 ! X =    1406.254,   -1151.533,      0.000,      0.000!   !END!
 17 ! X =    1407.065,   -1151.404,      0.000,      0.000!   !END!
 18 ! X =    1407.877,   -1151.275,      1.000,      0.000!   !END!
 19 ! X =    1408.688,   -1151.146,      1.000,      0.000!   !END!
 20 ! X =    1409.500,   -1151.017,      1.000,      0.000!   !END!
 21 ! X =    1410.311,   -1150.888,      2.000,      0.000!   !END!
 22 ! X =    1406.918,   -1150.480,      0.000,      0.000!   !END!
 23 ! X =    1407.730,   -1150.351,      1.000,      0.000!   !END!
 24 ! X =    1408.541,   -1150.221,      1.000,      0.000!   !END!
 25 ! X =    1409.352,   -1150.092,      1.000,      0.000!   !END!
 26 ! X =    1410.164,   -1149.963,      2.000,      0.000!   !END!
 27 ! X =    1406.771,   -1149.555,      0.000,      0.000!   !END!
 28 ! X =    1407.582,   -1149.426,      0.000,      0.000!   !END!
 29 ! X =    1408.394,   -1149.297,      1.000,      0.000!   !END!
 30 ! X =    1409.205,   -1149.168,      1.000,      0.000!   !END!
 31 ! X =    1410.016,   -1149.038,      3.000,      0.000!   !END!
 32 ! X =    1406.624,   -1148.631,      0.000,      0.000!   !END!
 33 ! X =    1407.435,   -1148.501,      1.000,      0.000!   !END!
 34 ! X =    1408.247,   -1148.372,      1.000,      0.000!   !END!
 35 ! X =    1409.058,   -1148.243,      1.000,      0.000!   !END!
 36 ! X =    1409.869,   -1148.114,      2.000,      0.000!   !END!
 37 ! X =    1406.477,   -1147.706,      0.000,      0.000!   !END!
 38 ! X =    1407.288,   -1147.577,      0.000,      0.000!   !END!
 39 ! X =    1408.099,   -1147.448,      0.000,      0.000!   !END!
 40 ! X =    1408.911,   -1147.319,      1.000,      0.000!   !END!
 41 ! X =    1409.722,   -1147.189,      1.000,      0.000!   !END!
 42 ! X =    1410.385,   -1146.136,      2.000,      0.000!   !END!
 43 ! X =    1410.238,   -1145.211,      1.000,      0.000!   !END!
 44 ! X =    1411.049,   -1145.082,      2.000,      0.000!   !END!
 45 ! X =    1404.414,   -1145.190,      0.000,      0.000!   !END!
 46 ! X =    1405.225,   -1145.061,      0.000,      0.000!   !END!
 47 ! X =    1406.036,   -1144.933,      0.000,      0.000!   !END!
 48 ! X =    1406.847,   -1144.804,      0.000,      0.000!   !END!
 49 ! X =    1407.658,   -1144.675,      0.000,      0.000!   !END!
 50 ! X =    1410.091,   -1144.287,      1.000,      0.000!   !END!
 51 ! X =    1410.901,   -1144.158,      1.000,      0.000!   !END!
 52 ! X =    1411.712,   -1144.028,      1.000,      0.000!   !END!
 53 ! X =    1403.457,   -1144.395,      0.000,      0.000!   !END!
 54 ! X =    1404.268,   -1144.266,      0.000,      0.000!   !END!
 55 ! X =    1405.078,   -1144.137,      0.000,      0.000!   !END!
 56 ! X =    1405.889,   -1144.008,      0.000,      0.000!   !END!
 57 ! X =    1406.700,   -1143.879,      0.000,      0.000!   !END!
 58 ! X =    1407.511,   -1143.750,      0.000,      0.000!   !END!
```

```
 59 ! X =    1411.565,   -1143.104,       1.000,       0.000!   !END!
 60 ! X =    1402.499,   -1143.599,       0.000,       0.000!   !END!
 61 ! X =    1403.310,   -1143.470,       0.000,       0.000!   !END!
 62 ! X =    1404.121,   -1143.341,       0.000,       0.000!   !END!
 63 ! X =    1404.931,   -1143.213,       1.000,       0.000!   !END!
 64 ! X =    1405.742,   -1143.084,       1.000,       0.000!   !END!
 65 ! X =    1406.553,   -1142.955,       1.000,       0.000!   !END!
 66 ! X =    1407.364,   -1142.826,       0.000,       0.000!   !END!
 67 ! X =    1400.731,   -1142.931,       0.000,       0.000!   !END!
 68 ! X =    1401.542,   -1142.803,       0.000,       0.000!   !END!
 69 ! X =    1402.353,   -1142.674,       1.000,       0.000!   !END!
 70 ! X =    1403.163,   -1142.546,       0.000,       0.000!   !END!
 71 ! X =    1403.974,   -1142.417,       1.000,       0.000!   !END!
 72 ! X =    1404.785,   -1142.288,       1.000,       0.000!   !END!
 73 ! X =    1405.595,   -1142.159,       1.000,       0.000!   !END!
 74 ! X =    1406.406,   -1142.030,       1.000,       0.000!   !END!
 75 ! X =    1407.217,   -1141.901,       1.000,       0.000!   !END!
 76 ! X =    1402.206,   -1141.750,       0.000,       0.000!   !END!
 77 ! X =    1403.017,   -1141.621,       1.000,       0.000!   !END!
 78 ! X =    1403.827,   -1141.493,       1.000,       0.000!   !END!
 79 ! X =    1404.638,   -1141.364,       1.000,       0.000!   !END!
 80 ! X =    1405.448,   -1141.235,       1.000,       0.000!   !END!
 81 ! X =    1406.259,   -1141.106,       1.000,       0.000!   !END!
 82 ! X =    1407.069,   -1140.977,       1.000,       0.000!   !END!
 83 ! X =    1402.870,   -1140.697,       0.000,       0.000!   !END!
 84 ! X =    1403.680,   -1140.568,       0.000,       0.000!   !END!
 85 ! X =    1404.491,   -1140.439,       1.000,       0.000!   !END!
 86 ! X =    1405.301,   -1140.311,       1.000,       0.000!   !END!
 87 ! X =    1406.112,   -1140.182,       1.000,       0.000!   !END!
 88 ! X =    1406.922,   -1140.053,       1.000,       0.000!   !END!
 89 ! X =    1407.733,   -1139.924,       1.000,       0.000!   !END!
 90 ! X =    1402.723,   -1139.772,       0.000,       0.000!   !END!
 91 ! X =    1403.534,   -1139.644,       0.000,       0.000!   !END!
 92 ! X =    1404.344,   -1139.515,       1.000,       0.000!   !END!
 93 ! X =    1405.154,   -1139.386,       1.000,       0.000!   !END!
 94 ! X =    1405.965,   -1139.257,       1.000,       0.000!   !END!
 95 ! X =    1406.775,   -1139.128,       0.000,       0.000!   !END!
 96 ! X =    1402.576,   -1138.848,       0.000,       0.000!   !END!
 97 ! X =    1403.387,   -1138.719,       1.000,       0.000!   !END!
 98 ! X =    1404.197,   -1138.591,       1.000,       0.000!   !END!
 99 ! X =    1405.007,   -1138.462,       0.000,       0.000!   !END!
100 ! X =    1405.818,   -1138.333,       0.000,       0.000!   !END!
101 ! X =    1406.628,   -1138.204,       1.000,       0.000!   !END!
102 ! X =    1402.430,   -1137.924,       0.000,       0.000!   !END!
103 ! X =    1403.240,   -1137.795,       1.000,       0.000!   !END!
104 ! X =    1404.050,   -1137.666,       1.000,       0.000!   !END!
105 ! X =    1404.860,   -1137.538,       1.000,       0.000!   !END!
106 ! X =    1405.671,   -1137.409,       1.000,       0.000!   !END!
107 ! X =    1406.481,   -1137.280,       1.000,       0.000!   !END!
108 ! X =    1402.283,   -1136.999,       0.000,       0.000!   !END!
109 ! X =    1403.093,   -1136.871,       1.000,       0.000!   !END!
110 ! X =    1403.903,   -1136.742,       1.000,       0.000!   !END!
111 ! X =    1404.713,   -1136.613,       2.000,       0.000!   !END!
112 ! X =    1405.524,   -1136.485,       2.000,       0.000!   !END!
113 ! X =    1406.334,   -1136.356,       2.000,       0.000!   !END!
```

a
Data for each receptor are treated as a separate input subgroup and therefore must end with an input group terminator.

b
Receptor height above ground is optional. If no value is entered, the receptor is placed on the ground.

```
FPL ATCP PROJECT - GLADES COUNTY SITE - VISIBLITY IMPACTS    11/22/06
901 ENP + 113 CNWA RECEPTORS
4-km FL DOMAIN, 2001
---------------- Run title (3 lines) ------------------------------------------

                    POSTUTIL MODEL CONTROL FILE
                    ---------------------------

------------------------------------------------------------------------------

INPUT GROUP: 0 -- Input and Output File Names
--------------

-------------
Subgroup (0a)
-------------

Output Files
------------

 File            Default File Name
 ----            -----------------
 List File       POSTUTIL.LST        ! UTLLST =PUTGLD.LST   !
 Data File       MODEL.DAT           ! UTLDAT =PUTGLD.CON   !


Input Files
-----------

 Meteorological data files are needed for the HNO3/NO3 partition option.
 The met data file is the 'CALMET.DAT' format file used in the CALPUFF
 simulation.  If multiple CALMET files had been used in sequence, you
 may list all of these files in subgroup 0b.  Specify the total number
 of CALMET files runs you need to use, and provide the filename for each
 in subgroup 0b.

     Number of CALMET data files (NFILES)
                                     Default: 0       ! NMET    = 0   !


 A number of CALPUFF data files may be processed in this application.
 The files may represent individual CALPUFF simulations that were made
 for a specific set of species and/or sources.  Specify the total number
 of CALPUFF runs you wish to combine, and provide the filename for each
 in subgroup 0b.

     Number of CALPUFF data files (NFILES)
                                     Default: 1       ! NFILES  = 1   !


 All filenames will be converted to lower case if LCFILES = T
 Otherwise, if LCFILES = F, filenames will be converted to UPPER CASE

     Convert filenames to lower case?  Default: T     ! LCFILES = T !
         T = lower case
         F = UPPER CASE

!END!

------------------------------------------------------------
 NOTE: file/path names can be up to 70 characters in length
------------------------------------------------------------

-------------
Subgroup (0b)
-------------

NMET CALMET Data Files:

Input File      Default File Name
----------      -----------------
   1            MET.DAT            * UTLMET =CALMET.DAT  * *END*


Input File      Default File Name
```

```
----------      -----------------
   1            CALPUFF.DAT         ! MODDAT =..\PUFFGLD.CON  ! !END!


-------------
Note:  provide NMET lines of the form    * UTLMET = name * *END*
       and NFILES lines of the form      * MODDAT = name * *END*
       where the * should be replaced with an exclamation point,
       the special delimiter character.

------------------------------------------------------------------------------

INPUT GROUP: 1 -- General run control parameters
--------------

     Starting date:    Year  (ISYR) --    No default   ! ISYR  =  2001 !
                       Month (ISMO) --    No default   ! ISMO  = 1    !
                       Day   (ISDY) --    No default   ! ISDY  = 1    !
                       Hour  (ISHR) --    No default   ! ISHR  = 1    !

     Number of periods to process
                                (NPER) -- No default   ! NPER  = 8760 !

     Number of species to process from CALPUFF runs
                             (NSPECINP) -- No default   ! NSPECINP = 6 !

     Number of species to write to output file
                             (NSPECOUT) -- No default   ! NSPECOUT = 9 !

     Number of species to compute from those modeled
     (must be no greater than NSPECOUT)
                             (NSPECCMP) -- No default   ! NSPECCMP = 4 !


When multiple files are used, a species name may appear in more than
one file.  Data for this species will be summed (appropriate if the
CALPUFF runs use different source groups).  If this summing is not
appropriate, remove duplicate species from the file(s).

     Stop run if duplicate species names
     are found? (MDUPLCT)              Default: 0       ! MDUPLCT  =  0  !
        0 = no  (i.e., duplicate species are summed)
        1 = yes (i.e., run is halted)

Data for each species in a CALPUFF data file may also be scaled as
they are read.  This can be done to alter the emission rate of all
sources that were modeled in a particular CALPUFF application.
The scaling factor for each species is entered in Subgroup (2d), for
each file for which scaling is requested.

     Number of CALPUFF data files that will be scaled
     (must be no greater than NFILES)
     (NSCALED)                         Default: 0       ! NSCALED = 0 !


Option to recompute the HNO3/NO3 concentration partition prior to
performing other actions.  This option will NOT alter any deposition
fluxes contained in the CALPUFF file(s).  Two partition selections
are provided.  The first (MNITRATE=1) computes the partition for the
TOTAL (all sources) concentration fields (SO4, NO3, HNO3; NH3), and
the second (MNITRATE=2) uses this partition (from a previous application
of POSTUTIL) to compute the partition for individual source groups.

Required information for MNITRATE=1 includes:
          species NO3, HNO3, and SO4
          NH3 concentration(s)
          met. data file for RH and T

Required information for MNITRATE=2 includes:
          species NO3 and HNO3 for a source group
          species NO3ALL and HNO3ALL for all source groups, properly
                  partitioned

     Recompute the HNO3/NO3 partition for concentrations?
```

```
      (MNITRATE)                    Default: 0       ! MNITRATE  =  0  !
         0 = no
         1 = yes, for all sources combined
         2 = yes, for a source group

      Ammonia concentrations may be available as a modeled species in
      the CALPUFF files.  When NH3 is listed as a processed species in
      Subgroup (2a) (as one of the NSPECINP ASPECI entries), the
      modeled values will be used in the chemical equilibrium calculation.
      If NH3 is not on this list, the default monthly background values
      listed below will be used.  If a single value is entered, this is
      used for all 12 months.  Month 1 is JANUARY, Month 12 is DECEMBER.

      Default ammonia concentration (ppb) used for HNO3/NO3 partition:
      (BCKNH3) in ppb                Default: 12*10.
      ! BCKNH3 = 1., 1., 1., 1.1, 1.4, 1.3, 1.3, 1.2, 4*1. !

!END!
--------------------------------------------------------------------------------

INPUT GROUP: 2 -- Species Processing Information
--------------

-------------
Subgroup (2a)
-------------

  The following NSPECINP species will be processed:

! ASPECI =          SO2 !          !END!
! ASPECI =          SO4 !          !END!
! ASPECI =          NOX !          !END!
! ASPECI =         HNO3 !          !END!
! ASPECI =          NO3 !          !END!
! ASPECI =         PM10 !          !END!


-------------
Subgroup (2b)
-------------

  The following NSPECOUT species will be written:

! ASPECO =          SO2 !          !END!
! ASPECO =          SO4 !          !END!
! ASPECO =          NOX !          !END!
! ASPECO =         HNO3 !          !END!
! ASPECO =          NO3 !          !END!
! ASPECO =          SOA !          !END!
! ASPECO =           EC !          !END!
! ASPECO =         SOIL !          !END!
! ASPECO =          PMC !          !END!

-------------
Subgroup (2c)
-------------

  The following NSPECCMP species will be computed by scaling and summing
  one or more of the processed input species.  Identify the name(s) of
  the computed species and provide the scaling factors for each of the
  NSPECINP input species (NSPECCMP groups of NSPECINP+1 lines each):

NOTE: SO4 IS INPUT TO CALPUFF EXPLICITLY

! CSPECCMP =      SOA !
!     SO2  =      0.0 !
!     SO4  =      0.0 !
!     NOX  =      0.0 !
!    HNO3  =      0.0 !
!     NO3  =      0.0 !
!    PM10  =      0.071 !
!END!

! CSPECCMP =       EC !
!     SO2  =      0.0 !
```

```
!      SO4  =      0.0 !
!      NOX  =      0.0 !
!     HNO3  =      0.0 !
!      NO3  =      0.0 !
!     PM10  =    0.046 !
!END!

! CSPECCMP =     SOIL !
!      SO2  =      0.0 !
!      SO4  =      0.0 !
!      NOX  =      0.0 !
!     HNO3  =      0.0 !
!      NO3  =      0.0 !
!     PM10  =    0.489 !
!END!

! CSPECCMP =      PMC !
!      SO2  =      0.0 !
!      SO4  =      0.0 !
!      NOX  =      0.0 !
!     HNO3  =      0.0 !
!      NO3  =      0.0 !
!     PM10  =    0.394 !
!END!
```

Subgroup (2d)

Each species in NSCALED CALPUFF data files may be scaled before being processed (e.g., to change the emission rate for all sources modeled in the run that produced a data file). For each file, identify the file name and then provide the name(s) of the scaled species and the corresponding scaling factors (A,B where x' = Ax+B).

	A(Default=1.0)	B(Default=0.0)

```
FPL ATCP, GLADES COUNTY SITE - CALPOST VISIBLITY       11/22/06
METHOD 2
4-km FL grid, 2001, 901 ENP RECEPTORS
---------------- Run title (3 lines) ------------------------------------------

                    CALPOST MODEL CONTROL FILE
                    --------------------------

------------------------------------------------------------------------------

INPUT GROUP: 0 -- Input and Output File Names
--------------

Input Files
-----------

File                        Default File Name
----                        -----------------
Conc/Dep Flux File          MODEL.DAT           ! MODDAT =..\PUTGLD.CON  !
Relative Humidity File      VISB.DAT            ! VISDAT =..\..\VISB.DAT !
Background Data File        BACK.DAT            *BACKDAT =    *
Transmissometer/            VSRN.DAT            *VSRDAT =    *
Nephelometer or
DATSAV Data File

Output Files
------------

File                        Default File Name
----                        -----------------
List File                   CALPOST.LST         ! PSTLST =PSTGLDEV2.LST   !

Pathname for Timeseries Files   (blank)         * TSPATH =    *
(activate with exclamation points only if
providing NON-BLANK character string)

Pathname for Plot Files    (blank)              * PLPATH =    *
(activate with exclamation points only if
 providing NON-BLANK character string)

User Character String (U) to augment default filenames
(activate with exclamation points only if
 providing NON-BLANK character string)

Timeseries                  TSttUUUU.DAT        * TSUNAM =    *

Top Nth Rank Plot           RttUUUUU.DAT
                      or    RttiiUUU.GRD        * TUNAM =    *

Exceedance Plot             XttUUUUU.DAT
                      or    XttUUUUU.GRD        * XUNAM =    *

Echo Plot                   jjjtthhU.DAT
(Specific Days)       or    jjjtthhU.GRD        * EUNAM =    *

Visibility Plot             V24UUUUU.DAT        * VUNAM =    *
(Daily Peak Summary)

------------------------------------------------------------------------------
All file names will be converted to lower case if LCFILES = T
Otherwise, if LCFILES = F, file names will be converted to UPPER CASE
         T = lower case       ! LCFILES = T !
         F = UPPER CASE
NOTE: (1) file/path names can be up to 70 characters in length
NOTE: (2) Filenames for ALL PLOT and TIMESERIES FILES are constructed
          using a template that includes a pathname, user-supplied
          character(s), and fixed strings (tt,ii,jjj, and hh), where
                tt = Averaging Period (e.g. 03)
                ii = Rank (e.g. 02)
                jjj= Julian Day
                hh = Hour(ending)
          are determined internally based on selections made below.
          If a path or user-supplied character(s) are supplied, each
          must contain at least 1 non-blank character.
```

```
!END!
------------------------------------------------------------------------------

INPUT GROUP: 1 -- General run control parameters
--------------

     Option to run all periods found
     in the met. file(s)  (METRUN)        Default: 0   ! METRUN =   0  !

         METRUN = 0 - Run period explicitly defined below
         METRUN = 1 - Run all periods in CALPUFF data file(s)

     Starting date:    Year  (ISYR) --    No default   ! ISYR  =  2001   !
     (used only if     Month (ISMO) --    No default   ! ISMO  =  1    !
      METRUN = 0)      Day   (ISDY) --    No default   ! ISDY  =  1    !
                       Hour  (ISHR) --    No default   ! ISHR  =  1    !

     Number of hours to process (NHRS) -- No default   ! NHRS  =  8760  !

     Process every hour of data?(NREP) -- Default: 1   ! NREP  =  1  !
      (1 = every hour processed,
       2 = every 2nd hour processed,
       5 = every 5th hour processed, etc.)

Species & Concentration/Deposition Information
----------------------------------------------

      Species to process (ASPEC)       -- No default   ! ASPEC = VISIB !
      (ASPEC = VISIB for visibility processing)

      Layer/deposition code (ILAYER)   -- Default: 1   ! ILAYER = 1 !
        '1'  for CALPUFF concentrations,
        '-1' for dry deposition fluxes,
        '-2' for wet deposition fluxes,
        '-3' for wet+dry deposition fluxes.

      Scaling factors of the form:     -- Defaults:    ! A =  0.0    !
           X(new) = X(old) * A + B          A = 0.0    ! B =  0.0    !
        (NOT applied if A = B = 0.0)        B = 0.0

      Add Hourly Background Concentrations/Fluxes?
                               (LBACK)  -- Default: F   ! LBACK =  F !

Receptor information
--------------------

  Gridded receptors processed?     (LG) -- Default: F   ! LG  = F  !
  Discrete receptors processed?    (LD) -- Default: F   ! LD  = T  !
  CTSG Complex terrain receptors processed?
                                  (LCT) -- Default: F   ! LCT = F  !

--Report results by DISCRETE receptor RING?
  (only used when LD = T)      (LDRING) -- Default: F   ! LDRING = F  !

--Select range of DISCRETE receptors (only used when LD = T):

  Select ALL DISCRETE receptors by setting NDRECP flag to -1;
                               OR
  Select SPECIFIC DISCRETE receptors by entering a flag (0,1) for each
     0 = discrete receptor not processed
     1 = discrete receptor processed
  using repeated value notation to select blocks of receptors:
     23*1, 15*0, 12*1
  Flag for all receptors after the last one assigned is set to 0
   (NDRECP) -- Default: -1

  * NDRECP = -1 *
               ENP   CHASS
   ! NDRECP = 901*1, 113*0 !


--Select range of GRIDDED receptors (only used when LG = T):

       X index of LL corner (IBGRID) -- Default: -1      ! IBGRID = -1  !
           (-1 OR 1 <= IBGRID <= NX)
```

```
      Y index of LL corner (JBGRID) -- Default: -1      ! JBGRID = -1  !
          (-1 OR 1 <= JBGRID <= NY)

      X index of UR corner (IEGRID) -- Default: -1      ! IEGRID = -1  !
          (-1 OR 1 <= IEGRID <= NX)

      Y index of UR corner (JEGRID) -- Default: -1      ! JEGRID = -1  !
          (-1 OR 1 <= JEGRID <= NY)

  Note: Entire grid is processed if IBGRID=JBGRID=IEGRID=JEGRID=-1


--Specific gridded receptors can also be excluded from CALPOST
  processing by filling a processing grid array with 0s and 1s.  If the
  processing flag for receptor index (i,j) is 1 (ON), that receptor
  will be processed if it lies within the range delineated by IBGRID,
  JBGRID,IEGRID,JEGRID and if LG=T. If it is 0 (OFF), it will not be
  processed in the run.  By default, all array values are set to 1 (ON).

  Number of gridded receptor rows provided in Subgroup (1a) to
  identify specific gridded receptors to process
                          (NGONOFF) -- Default: 0       ! NGONOFF =  0  !

!END!


--------------
Subgroup (1a) -- Specific gridded receptors included/excluded
--------------

    Specific gridded receptors are excluded from CALPOST processing
    by filling a processing grid array with 0s and 1s.  A total of
    NGONOFF lines are read here.  Each line corresponds to one 'row'
    in the sampling grid, starting with the NORTHERNMOST row that
    contains receptors that you wish to exclude, and finishing with
    row 1 to the SOUTH (no intervening rows may be skipped).  Within
    a row, each receptor position is assigned either a 0 or 1,
    starting with the westernmost receptor.
       0 = gridded receptor not processed
       1 = gridded receptor processed

    Repeated value notation may be used to select blocks of receptors:
       23*1, 15*0, 12*1

    Because all values are initially set to 1, any receptors north of
    the first row entered, or east of the last value provided in a row,
    remain ON.

    (NGXRECP) -- Default: 1


------------------------------------------------------------------------------

INPUT GROUP: 2 -- Visibility Parameters (ASPEC = VISIB)
--------------

    Maximum relative humidity (%) used in particle growth curve
                           (RHMAX) -- Default: 98    ! RHMAX  = 95.0 !

    Modeled species to be included in computing the light extinction
     Include SULFATE?          (LVSO4) -- Default: T    ! LVSO4  = T  !
     Include NITRATE?          (LVNO3) -- Default: T    ! LVNO3  = T  !
     Include ORGANIC CARBON?   (LVOC)  -- Default: T    ! LVOC   = T  !
     Include COARSE PARTICLES? (LVPMC) -- Default: T    ! LVPMC  = T  !
     Include FINE PARTICLES?   (LVPMF) -- Default: T    ! LVPMF  = T  !
     Include ELEMENTAL CARBON? (LVEC)  -- Default: T    ! LVEC   = T  !

    And, when ranking for TOP-N, TOP-50, and Exceedance tables,
     Include BACKGROUND?       (LVBK)  -- Default: T    ! LVBK   = F  !

    Species name used for particulates in MODEL.DAT file
                   COARSE    (SPECPMC) -- Default: PMC ! SPECPMC = PMC !
                   FINE      (SPECPMF) -- Default: PMF ! SPECPMF = SOIL !
```

```
Extinction Efficiency (1/Mm per ug/m**3)
----------------------------------------
    MODELED particulate species:
              PM  COARSE      (EEPMC) -- Default: 0.6 ! EEPMC  = 0.6 !
              PM  FINE        (EEPMF) -- Default: 1.0 ! EEPMF  = 1.0 !
    BACKGROUND particulate species:
              PM  COARSE    (EEPMCBK) -- Default: 0.6 ! EEPMCBK = 0.6 !
    Other species:
             AMMONIUM SULFATE (EESO4) -- Default: 3.0 ! EESO4  = 3.0 !
             AMMONIUM NITRATE (EENO3) -- Default: 3.0 ! EENO3  = 3.0 !
             ORGANIC CARBON   (EEOC)  -- Default: 4.0 ! EEOC   = 4.0 !
             SOIL             (EESOIL)-- Default: 1.0 ! EESOIL = 1.0 !
             ELEMENTAL CARBON (EEEC)  -- Default: 10. ! EEEC   = 10.0 !

Background Extinction Computation
---------------------------------

    Method used for background light extinction
                             (MVISBK) -- Default: 6   ! MVISBK =  2  !

         1 =  Supply single light extinction and hygroscopic fraction
              - IWAQM (1993) RH adjustment applied to hygroscopic background
                and modeled sulfate and nitrate
         2 =  Compute extinction from speciated PM measurements (A)
              - Hourly RH adjustment applied to observed and modeled sulfate
                and nitrate
              - RH factor is capped at RHMAX
         3 =  Compute extinction from speciated PM measurements (B)
              - Hourly RH adjustment applied to observed and modeled sulfate
                and nitrate
              - Receptor-hour excluded if RH>RHMAX
              - Receptor-day excluded if fewer than 6 valid receptor-hours
         4 =  Read hourly transmissometer background extinction measurements
              - Hourly RH adjustment applied to modeled sulfate and nitrate
              - Hour excluded if measurement invalid (missing, interference,
                or large RH)
              - Receptor-hour excluded if RH>RHMAX
              - Receptor-day excluded if fewer than 6 valid receptor-hours
         5 =  Read hourly nephelometer background extinction measurements
              - Rayleigh extinction value (BEXTRAY) added to measurement
              - Hourly RH adjustment applied to modeled sulfate and nitrate
              - Hour excluded if measurement invalid (missing, interference,
                or large RH)
              - Receptor-hour excluded if RH>RHMAX
              - Receptor-day excluded if fewer than 6 valid receptor-hours
         6 =  Compute extinction from speciated PM measurements
              - FLAG RH adjustment factor applied to observed and
                modeled sulfate and nitrate
         7 =  Compute extinction from speciated PM measurements as in [2]
              for 'unobstructed' conditions;  replace with extinction from
              observed visual range for fog/precipitation conditions
              - Hourly RH adjustment applied to observed and modeled sulfate
                and nitrate
              - RH factor is capped at RHMAX
              - When fog/precip is observed, replace computed Bext with:
                  Bext(1/Mm) = 3912/VR(km)

    Additional inputs used for MVISBK = 1:
    --------------------------------------
     Background light extinction (1/Mm)
                             (BEXTBK) -- No default   ! BEXTBK = 0.0 !
     Percentage of particles affected by relative humidity
                             (RHFRAC) -- No default   ! RHFRAC = 0.0 !

    Additional inputs used for MVISBK = 6:
    --------------------------------------
     Extinction coefficients for hygroscopic species (modeled and
     background) are computed using a monthly RH adjustment factor
     in place of an hourly RH factor (VISB.DAT file is NOT needed).
     Enter the 12 monthly factors here (RHFAC).  Month 1 is January.

     (RHFAC)  -- No default     ! RHFAC = 0.0, 0.0, 0.0, 0.0,
                                          0.0, 0.0, 0.0, 0.0,
                                          0.0, 0.0, 0.0, 0.0 !
```

```
    Additional inputs used for MVISBK = 7:
    --------------------------------------
     The weather data file (DATSAV abbreviated space-delimited) that
     is identified as VSRN.DAT may contain data for more than one
     station.  Identify the stations that are needed in the order in
     which they will be used to obtain valid weather and visual range.
     The first station that contains valid data for an hour will be
     used.  Enter up to MXWSTA (set in PARAMS file) integer station IDs
     of up to 6 digits each as variable IDWSTA, and enter the corresponding
     time zone for each, as variable TZONE.

     (IDWSTA)    -- No default    ! IDWSTA = 690230, 080020, 080140!
     (TZONE)     -- No default    ! TZONE =      5.,     5.,     5.!

     Identify the Base Time Zone for the CALPUFF simulation
     (BTZONE)    -- No default    ! BTZONE =     5.!

    Additional inputs used for MVISBK = 2,3,6,7:
    --------------------------------------------
     Background extinction coefficients are computed from monthly
     CONCENTRATIONS of ammonium sulfate (BKSO4), ammonium nitrate (BKNO3),
     coarse particulates (BKPMC), organic carbon (BKOC), soil (BKSOIL), and
     elemental carbon (BKEC).  Month 1 is January.
     (ug/m**3)

EXTINCTIONS FOR THE ENP ARE PROVIDED IN THE FLAG DOCUMENT (12/00)
NON-HYGROSCOPIC - 8.5
HYGROSCOPIC -  0.9/3 = 0.3
USED MVISBK = 2, DAILY EXTINCTIONS CALCULATED FROM HOURLY RH FROM DISK FILE

     (BKSO4)   -- No default     ! BKSO4 = 0.3, 0.3, 0.3, 0.3,
                                           0.3, 0.3, 0.3, 0.3,
                                           0.3, 0.3, 0.3, 0.3 !
     (BKNO3)   -- No default     ! BKNO3 = 0.0, 0.0, 0.0, 0.0,
                                           0.0, 0.0, 0.0, 0.0,
                                           0.0, 0.0, 0.0, 0.0 !
     (BKPMC)   -- No default     ! BKPMC = 0.0, 0.0, 0.0, 0.0,
                                           0.0, 0.0, 0.0, 0.0,
                                           0.0, 0.0, 0.0, 0.0 !
     (BKOC)    -- No default     ! BKOC  = 0.0, 0.0, 0.0, 0.0,
                                           0.0, 0.0, 0.0, 0.0,
                                           0.0, 0.0, 0.0, 0.0 !
     (BKSOIL)  -- No default     ! BKSOIL= 8.5, 8.5, 8.5, 8.5,
                                           8.5, 8.5, 8.5, 8.5,
                                           8.5, 8.5, 8.5, 8.5 !
     (BKEC)    -- No default     ! BKEC  = 0.0, 0.0, 0.0, 0.0,
                                           0.0, 0.0, 0.0, 0.0,
                                           0.0, 0.0, 0.0, 0.0 !

    Additional inputs used for MVISBK = 2,3,5,6,7:
    ----------------------------------------------
     Extinction due to Rayleigh scattering is added (1/Mm)
                           (BEXTRAY) -- Default: 10.0 ! BEXTRAY = 11.3 !

!END!
--------------------------------------------------------------------------------

INPUT GROUP: 3 -- Output options
--------------

Output Units
------------
    Units for All Output       (IPRTU) -- Default: 1    ! IPRTU =  1    !
                      for              for
                Concentration    Deposition
       1 =          g/m**3          g/m**2/s
       2 =         mg/m**3         mg/m**2/s
       3 =         ug/m**3         ug/m**2/s
       4 =         ng/m**3         ng/m**2/s
       5 =       Odour Units

    Visibility: extinction expressed in 1/Mega-meters (IPRTU is ignored)


Averaging time(s) reported
```

```
-------------------------

    1-hr averages            (L1HR) -- Default: T   !   L1HR = F   !

    3-hr averages            (L3HR) -- Default: T   !   L3HR = F   !

    24-hr averages          (L24HR) -- Default: T   !  L24HR = T   !

    Run-length averages     (LRUNL) -- Default: T   !  LRUNL = F   !

    User-specified averaging time in hours - results for
    an averaging time of NAVG hours are reported for
    NAVG greater than 0:
                             (NAVG) -- Default: 0   !   NAVG =  0   !


Types of tabulations reported
-----------------------------

   1) Visibility: daily visibility tabulations are always reported
                  for the selected receptors when ASPEC = VISIB.
                  In addition, any of the other tabulations listed
                  below may be chosen to characterize the light
                  extinction coefficients.
                  [List file or Plot/Analysis File]


   2) Top 50 table for each averaging time selected
      [List file only]
                             (LT50) -- Default: T   !   LT50 = T   !

   3) Top 'N' table for each averaging time selected
      [List file or Plot file]
                           (LTOPN) -- Default: F   !  LTOPN = F   !

        -- Number of 'Top-N' values at each receptor
           selected (NTOP must be <= 4)
                             (NTOP) -- Default: 4   ! NTOP =  4    !

        -- Specific ranks of 'Top-N' values reported
           (NTOP values must be entered)
                    (ITOP(4) array) -- Default:     ! ITOP =  1,2,3,4  !
                                       1,2,3,4


   4) Threshold exceedance counts for each receptor and each averaging
      time selected
      [List file or Plot file]
                           (LEXCD) -- Default: F   !  LEXCD = F   !

        -- Identify the threshold for each averaging time by assigning a
           non-negative value (output units).

                                   -- Default: -1.0
           Threshold for  1-hr averages   (THRESH1) !  THRESH1 = -1.0  !
           Threshold for  3-hr averages   (THRESH3) !  THRESH3 = -1.0  !
           Threshold for 24-hr averages  (THRESH24) ! THRESH24 = -1.0  !
           Threshold for NAVG-hr averages (THRESHN) !  THRESHN = -1.0  !


        -- Counts for the shortest averaging period selected can be
           tallied daily, and receptors that experience more than NCOUNT
           counts over any NDAY period will be reported.  This type of
           exceedance violation output is triggered only if NDAY > 0.

           Accumulation period(Days)
                             (NDAY) -- Default: 0   !    NDAY =  0   !
           Number of exceedances allowed
                           (NCOUNT) -- Default: 1   !  NCOUNT =  1   !


   5) Selected day table(s)

      Echo Option -- Many records are written each averaging period
      selected and output is grouped by day
```

```
      [List file or Plot file]
                          (LECHO) -- Default: F    !  LECHO = F  !

      Timeseries Option -- Averages at all selected receptors for
      each selected averaging period are written to timeseries files.
      Each file contains one averaging period, and all receptors are
      written to a single record each averaging time.
      [TSttUUUU.DAT files]
                          (LTIME) -- Default: F    !  LTIME = F  !

        -- Days selected for output
                     (IECHO(366)) -- Default: 366*0
           ! IECHO  = 366*0  !
           (366 values must be entered)

Plot output options
-------------------

     Plot files can be created for the Top-N, Exceedance, and Echo
     tables selected above.  Two formats for these files are available,
     DATA and GRID.  In the DATA format, results at all receptors are
     listed along with the receptor location [x,y,val1,val2,...].
     In the GRID format, results at only gridded receptors are written,
     using a compact representation.  The gridded values are written in
     rows (x varies), starting with the most southern row of the grid.
     The GRID format is given the .GRD extension, and includes headers
     compatible with the SURFER(R) plotting software.

     A plotting and analysis file can also be created for the daily
     peak visibility summary output, in DATA format only.

     Generate Plot file output in addition to writing tables
     to List file?
                                (LPLT) -- Default: F    ! LPLT   = F !

     Use GRID format rather than DATA format,
     when available?
                                (LGRD) -- Default: F    ! LGRD   = F !


Additional Output Options
-------------------------

   Output selected information to List file
    for debugging?
                               (LDEBUG) -- Default: F  ! LDEBUG  = F !

   Output hourly extinction information to REPORT.HRV?
    (Visibility Method 7)
                              (LVEXTHR) -- Default: F  ! LVEXTHR = F !

!END!
```

```
FPL ATCP, GLADES COUNTY SITE - CALPOST VISIBLITY       11/22/06
METHOD 2
4-km FL grid, 2001, 113 CHASSAHOWITZKA RECEPTORS
---------------- Run title (3 lines) ------------------------------------------

                    CALPOST MODEL CONTROL FILE
                    --------------------------

-------------------------------------------------------------------------------

INPUT GROUP: 0 -- Input and Output File Names
--------------

Input Files
-----------

File                        Default File Name
----                        -----------------
Conc/Dep Flux File          MODEL.DAT           ! MODDAT =..\PUTGLD.CON  !
Relative Humidity File      VISB.DAT            ! VISDAT =..\..\VISB.DAT !
Background Data File        BACK.DAT            *BACKDAT =   *
Transmissometer/            VSRN.DAT            *VSRDAT =    *
Nephelometer or
DATSAV Data File

Output Files
------------

File                        Default File Name
----                        -----------------
List File                   CALPOST.LST         ! PSTLST =PSTGLDCH2.LST   !

Pathname for Timeseries Files   (blank)         * TSPATH =   *
(activate with exclamation points only if
providing NON-BLANK character string)

Pathname for Plot Files   (blank)               * PLPATH =   *
(activate with exclamation points only if
providing NON-BLANK character string)

User Character String (U) to augment default filenames
(activate with exclamation points only if
providing NON-BLANK character string)

Timeseries                  TSttUUUU.DAT        * TSUNAM =   *

Top Nth Rank Plot           RttUUUUU.DAT
                      or    RttiiUUU.GRD        * TUNAM =    *

Exceedance Plot             XttUUUUU.DAT
                      or    XttUUUUU.GRD        * XUNAM =    *

Echo Plot                   jjjtthhU.DAT
(Specific Days)       or    jjjtthhU.GRD        * EUNAM =    *

Visibility Plot             V24UUUUU.DAT        * VUNAM =    *
(Daily Peak Summary)

-------------------------------------------------------------------------------
All file names will be converted to lower case if LCFILES = T
Otherwise, if LCFILES = F, file names will be converted to UPPER CASE
       T = lower case       ! LCFILES = T !
       F = UPPER CASE
NOTE: (1) file/path names can be up to 70 characters in length
NOTE: (2) Filenames for ALL PLOT and TIMESERIES FILES are constructed
          using a template that includes a pathname, user-supplied
          character(s), and fixed strings (tt,ii,jjj, and hh), where
                tt = Averaging Period (e.g. 03)
                ii = Rank (e.g. 02)
                jjj= Julian Day
                hh = Hour(ending)
          are determined internally based on selections made below.
          If a path or user-supplied character(s) are supplied, each
          must contain at least 1 non-blank character.
```

```
!END!
------------------------------------------------------------------------------

INPUT GROUP: 1 -- General run control parameters
--------------

     Option to run all periods found
     in the met. file(s)  (METRUN)        Default: 0   ! METRUN =   0  !

         METRUN = 0 - Run period explicitly defined below
         METRUN = 1 - Run all periods in CALPUFF data file(s)

     Starting date:    Year  (ISYR) --    No default   ! ISYR  =  2001   !
     (used only if     Month (ISMO) --    No default   ! ISMO  =  1    !
      METRUN = 0)      Day   (ISDY) --    No default   ! ISDY  =  1    !
                       Hour  (ISHR) --    No default   ! ISHR  =  1    !

     Number of hours to process (NHRS) -- No default   ! NHRS  =  8760  !

     Process every hour of data?(NREP) -- Default: 1   ! NREP  =  1  !
      (1 = every hour processed,
       2 = every 2nd hour processed,
       5 = every 5th hour processed, etc.)

Species & Concentration/Deposition Information
----------------------------------------------

      Species to process (ASPEC)       -- No default   ! ASPEC = VISIB !
      (ASPEC = VISIB for visibility processing)

      Layer/deposition code (ILAYER)   -- Default: 1   ! ILAYER = 1 !
        '1'  for CALPUFF concentrations,
        '-1' for dry deposition fluxes,
        '-2' for wet deposition fluxes,
        '-3' for wet+dry deposition fluxes.

      Scaling factors of the form:     -- Defaults:    ! A =  0.0    !
           X(new) = X(old) * A + B          A = 0.0    ! B =  0.0    !
        (NOT applied if A = B = 0.0)        B = 0.0

      Add Hourly Background Concentrations/Fluxes?
                              (LBACK)  -- Default: F   ! LBACK =  F !

Receptor information
--------------------

  Gridded receptors processed?    (LG) -- Default: F   ! LG  = F  !
  Discrete receptors processed?   (LD) -- Default: F   ! LD  = T  !
  CTSG Complex terrain receptors processed?
                                 (LCT) -- Default: F   ! LCT = F  !

--Report results by DISCRETE receptor RING?
  (only used when LD = T)      (LDRING) -- Default: F   ! LDRING = F  !

--Select range of DISCRETE receptors (only used when LD = T):

  Select ALL DISCRETE receptors by setting NDRECP flag to -1;
                              OR
  Select SPECIFIC DISCRETE receptors by entering a flag (0,1) for each
     0 = discrete receptor not processed
     1 = discrete receptor processed
  using repeated value notation to select blocks of receptors:
     23*1, 15*0, 12*1
  Flag for all receptors after the last one assigned is set to 0
  (NDRECP) -- Default: -1

  * NDRECP = -1 *
              ENP   CHASS
  ! NDRECP = 901*0, 113*1 !


--Select range of GRIDDED receptors (only used when LG = T):

        X index of LL corner (IBGRID) -- Default: -1     ! IBGRID = -1  !
            (-1 OR 1 <= IBGRID <= NX)
```

```
      Y index of LL corner (JBGRID) -- Default: -1      ! JBGRID = -1  !
          (-1 OR 1 <= JBGRID <= NY)

      X index of UR corner (IEGRID) -- Default: -1      ! IEGRID = -1  !
          (-1 OR 1 <= IEGRID <= NX)

      Y index of UR corner (JEGRID) -- Default: -1      ! JEGRID = -1  !
          (-1 OR 1 <= JEGRID <= NY)

  Note: Entire grid is processed if IBGRID=JBGRID=IEGRID=JEGRID=-1


--Specific gridded receptors can also be excluded from CALPOST
  processing by filling a processing grid array with 0s and 1s.  If the
  processing flag for receptor index (i,j) is 1 (ON), that receptor
  will be processed if it lies within the range delineated by IBGRID,
  JBGRID,IEGRID,JEGRID and if LG=T. If it is 0 (OFF), it will not be
  processed in the run.  By default, all array values are set to 1 (ON).

  Number of gridded receptor rows provided in Subgroup (1a) to
  identify specific gridded receptors to process
                          (NGONOFF) -- Default: 0       ! NGONOFF =  0  !

!END!


-------------
Subgroup (1a) -- Specific gridded receptors included/excluded
-------------

    Specific gridded receptors are excluded from CALPOST processing
    by filling a processing grid array with 0s and 1s.  A total of
    NGONOFF lines are read here.  Each line corresponds to one 'row'
    in the sampling grid, starting with the NORTHERNMOST row that
    contains receptors that you wish to exclude, and finishing with
    row 1 to the SOUTH (no intervening rows may be skipped).  Within
    a row, each receptor position is assigned either a 0 or 1,
    starting with the westernmost receptor.
       0 = gridded receptor not processed
       1 = gridded receptor processed

    Repeated value notation may be used to select blocks of receptors:
       23*1, 15*0, 12*1

    Because all values are initially set to 1, any receptors north of
    the first row entered, or east of the last value provided in a row,
    remain ON.

    (NGXRECP) -- Default: 1


-------------------------------------------------------------------------------

INPUT GROUP: 2 -- Visibility Parameters (ASPEC = VISIB)
-------------

    Maximum relative humidity (%) used in particle growth curve
                            (RHMAX) -- Default: 98    ! RHMAX  = 95.0 !

    Modeled species to be included in computing the light extinction
     Include SULFATE?          (LVSO4) -- Default: T    ! LVSO4  = T  !
     Include NITRATE?          (LVNO3) -- Default: T    ! LVNO3  = T  !
     Include ORGANIC CARBON?   (LVOC)  -- Default: T    ! LVOC   = T  !
     Include COARSE PARTICLES? (LVPMC) -- Default: T    ! LVPMC  = T  !
     Include FINE PARTICLES?   (LVPMF) -- Default: T    ! LVPMF  = T  !
     Include ELEMENTAL CARBON? (LVEC)  -- Default: T    ! LVEC   = T  !

    And, when ranking for TOP-N, TOP-50, and Exceedance tables,
     Include BACKGROUND?       (LVBK)  -- Default: T    ! LVBK   = F  !

    Species name used for particulates in MODEL.DAT file
                  COARSE    (SPECPMC) -- Default: PMC ! SPECPMC = PMC !
                  FINE      (SPECPMF) -- Default: PMF ! SPECPMF = SOIL !
```

```
Extinction Efficiency (1/Mm per ug/m**3)
----------------------------------------
    MODELED particulate species:
              PM  COARSE       (EEPMC) -- Default: 0.6 ! EEPMC  = 0.6 !
              PM  FINE         (EEPMF) -- Default: 1.0 ! EEPMF  = 1.0 !
    BACKGROUND particulate species:
              PM  COARSE     (EEPMCBK) -- Default: 0.6 ! EEPMCBK = 0.6 !
    Other species:
             AMMONIUM SULFATE (EESO4) -- Default: 3.0 ! EESO4  = 3.0 !
             AMMONIUM NITRATE (EENO3) -- Default: 3.0 ! EENO3  = 3.0 !
             ORGANIC CARBON   (EEOC)  -- Default: 4.0 ! EEOC   = 4.0 !
             SOIL             (EESOIL)-- Default: 1.0 ! EESOIL = 1.0 !
             ELEMENTAL CARBON (EEEC)  -- Default: 10. ! EEEC   = 10.0 !

Background Extinction Computation
---------------------------------

    Method used for background light extinction
                             (MVISBK) -- Default: 6   ! MVISBK =  2  !

         1 =  Supply single light extinction and hygroscopic fraction
              - IWAQM (1993) RH adjustment applied to hygroscopic background
                and modeled sulfate and nitrate
         2 =  Compute extinction from speciated PM measurements (A)
              - Hourly RH adjustment applied to observed and modeled sulfate
                and nitrate
              - RH factor is capped at RHMAX
         3 =  Compute extinction from speciated PM measurements (B)
              - Hourly RH adjustment applied to observed and modeled sulfate
                and nitrate
              - Receptor-hour excluded if RH>RHMAX
              - Receptor-day excluded if fewer than 6 valid receptor-hours
         4 =  Read hourly transmissometer background extinction measurements
              - Hourly RH adjustment applied to modeled sulfate and nitrate
              - Hour excluded if measurement invalid (missing, interference,
                or large RH)
              - Receptor-hour excluded if RH>RHMAX
              - Receptor-day excluded if fewer than 6 valid receptor-hours
         5 =  Read hourly nephelometer background extinction measurements
              - Rayleigh extinction value (BEXTRAY) added to measurement
              - Hourly RH adjustment applied to modeled sulfate and nitrate
              - Hour excluded if measurement invalid (missing, interference,
                or large RH)
              - Receptor-hour excluded if RH>RHMAX
              - Receptor-day excluded if fewer than 6 valid receptor-hours
         6 =  Compute extinction from speciated PM measurements
              - FLAG RH adjustment factor applied to observed and
                modeled sulfate and nitrate
         7 =  Compute extinction from speciated PM measurements as in [2]
              for 'unobstructed' conditions;  replace with extinction from
              observed visual range for fog/precipitation conditions
              - Hourly RH adjustment applied to observed and modeled sulfate
                and nitrate
              - RH factor is capped at RHMAX
              - When fog/precip is observed, replace computed Bext with:
                  Bext(1/Mm) = 3912/VR(km)

    Additional inputs used for MVISBK = 1:
    --------------------------------------
     Background light extinction (1/Mm)
                             (BEXTBK) -- No default   ! BEXTBK = 0.0 !
     Percentage of particles affected by relative humidity
                             (RHFRAC) -- No default   ! RHFRAC = 0.0 !

    Additional inputs used for MVISBK = 6:
    --------------------------------------
     Extinction coefficients for hygroscopic species (modeled and
     background) are computed using a monthly RH adjustment factor
     in place of an hourly RH factor (VISB.DAT file is NOT needed).
     Enter the 12 monthly factors here (RHFAC).  Month 1 is January.

     (RHFAC)  -- No default     ! RHFAC = 0.0, 0.0, 0.0, 0.0,
                                          0.0, 0.0, 0.0, 0.0,
                                          0.0, 0.0, 0.0, 0.0 !
```

```
    Additional inputs used for MVISBK = 7:
    --------------------------------------
     The weather data file (DATSAV abbreviated space-delimited) that
     is identified as VSRN.DAT may contain data for more than one
     station.  Identify the stations that are needed in the order in
     which they will be used to obtain valid weather and visual range.
     The first station that contains valid data for an hour will be
     used.  Enter up to MXWSTA (set in PARAMS file) integer station IDs
     of up to 6 digits each as variable IDWSTA, and enter the corresponding
     time zone for each, as variable TZONE.

     (IDWSTA)   -- No default   ! IDWSTA = 690230, 080020, 080140!
     (TZONE)    -- No default   ! TZONE =      5.,     5.,     5.!

     Identify the Base Time Zone for the CALPUFF simulation
     (BTZONE)   -- No default   ! BTZONE =     5.!

    Additional inputs used for MVISBK = 2,3,6,7:
    --------------------------------------------
     Background extinction coefficients are computed from monthly
     CONCENTRATIONS of ammonium sulfate (BKSO4), ammonium nitrate (BKNO3),
     coarse particulates (BKPMC), organic carbon (BKOC), soil (BKSOIL), and
     elemental carbon (BKEC).  Month 1 is January.
     (ug/m**3)

EXTINCTIONS FOR THE ENP ARE PROVIDED IN THE FLAG DOCUMENT (12/00)
NON-HYGROSCOPIC - 8.5
HYGROSCOPIC -  0.9/3 = 0.3
USED MVISBK = 2, DAILY EXTINCTIONS CALCULATED FROM HOURLY RH FROM DISK FILE

     (BKSO4)  -- No default     ! BKSO4 = 0.3, 0.3, 0.3, 0.3,
                                          0.3, 0.3, 0.3, 0.3,
                                          0.3, 0.3, 0.3, 0.3 !
     (BKNO3)  -- No default     ! BKNO3 = 0.0, 0.0, 0.0, 0.0,
                                          0.0, 0.0, 0.0, 0.0,
                                          0.0, 0.0, 0.0, 0.0 !
     (BKPMC)  -- No default     ! BKPMC = 0.0, 0.0, 0.0, 0.0,
                                          0.0, 0.0, 0.0, 0.0,
                                          0.0, 0.0, 0.0, 0.0 !
     (BKOC)   -- No default     ! BKOC  = 0.0, 0.0, 0.0, 0.0,
                                          0.0, 0.0, 0.0, 0.0,
                                          0.0, 0.0, 0.0, 0.0 !
     (BKSOIL) -- No default     ! BKSOIL= 8.5, 8.5, 8.5, 8.5,
                                          8.5, 8.5, 8.5, 8.5,
                                          8.5, 8.5, 8.5, 8.5 !
     (BKEC)   -- No default     ! BKEC  = 0.0, 0.0, 0.0, 0.0,
                                          0.0, 0.0, 0.0, 0.0,
                                          0.0, 0.0, 0.0, 0.0 !

    Additional inputs used for MVISBK = 2,3,5,6,7:
    ----------------------------------------------
     Extinction due to Rayleigh scattering is added (1/Mm)
                             (BEXTRAY) -- Default: 10.0 ! BEXTRAY = 11.4 !

RAYLEIGH SCATTERING TAKEN FROM TABLE A2 OF THE "REVISED IMPROVE ALGORITHM FOR ESTIMATING
LIGHT EXTINCTION FROM PARTICLE SPECIATION DATA".

!END!
--------------------------------------------------------------------------------

INPUT GROUP: 3 -- Output options
--------------

Output Units
------------
    Units for All Output       (IPRTU) -- Default: 1   ! IPRTU =  1   !
                      for            for
                Concentration    Deposition
       1 =          g/m**3         g/m**2/s
       2 =         mg/m**3        mg/m**2/s
       3 =         ug/m**3        ug/m**2/s
       4 =         ng/m**3        ng/m**2/s
       5 =       Odour Units

    Visibility: extinction expressed in 1/Mega-meters (IPRTU is ignored)
```

```
Averaging time(s) reported
--------------------------

    1-hr averages           (L1HR) -- Default: T   !   L1HR = F   !

    3-hr averages           (L3HR) -- Default: T   !   L3HR = F   !

    24-hr averages         (L24HR) -- Default: T   !  L24HR = T   !

    Run-length averages    (LRUNL) -- Default: T   !  LRUNL = F   !

    User-specified averaging time in hours - results for
    an averaging time of NAVG hours are reported for
    NAVG greater than 0:
                            (NAVG) -- Default: 0   !   NAVG =  0   !


Types of tabulations reported
-----------------------------

   1) Visibility: daily visibility tabulations are always reported
                  for the selected receptors when ASPEC = VISIB.
                  In addition, any of the other tabulations listed
                  below may be chosen to characterize the light
                  extinction coefficients.
                  [List file or Plot/Analysis File]


   2) Top 50 table for each averaging time selected
      [List file only]
                            (LT50) -- Default: T   !   LT50 = T   !

   3) Top 'N' table for each averaging time selected
      [List file or Plot file]
                           (LTOPN) -- Default: F   !  LTOPN = F   !

        -- Number of 'Top-N' values at each receptor
           selected (NTOP must be <= 4)
                            (NTOP) -- Default: 4   ! NTOP =  4    !

        -- Specific ranks of 'Top-N' values reported
           (NTOP values must be entered)
                   (ITOP(4) array) -- Default:     ! ITOP =  1,2,3,4  !
                                      1,2,3,4


   4) Threshold exceedance counts for each receptor and each averaging
      time selected
      [List file or Plot file]
                           (LEXCD) -- Default: F   !  LEXCD = F   !

        -- Identify the threshold for each averaging time by assigning a
           non-negative value (output units).

                                   -- Default: -1.0
           Threshold for  1-hr averages    (THRESH1) !  THRESH1 = -1.0  !
           Threshold for  3-hr averages    (THRESH3) !  THRESH3 = -1.0  !
           Threshold for 24-hr averages   (THRESH24) ! THRESH24 = -1.0  !
           Threshold for NAVG-hr averages (THRESHN) !  THRESHN = -1.0  !


        -- Counts for the shortest averaging period selected can be
           tallied daily, and receptors that experience more than NCOUNT
           counts over any NDAY period will be reported.  This type of
           exceedance violation output is triggered only if NDAY > 0.

           Accumulation period(Days)
                            (NDAY) -- Default: 0   !    NDAY =  0   !
           Number of exceedances allowed
                          (NCOUNT) -- Default: 1   !  NCOUNT =  1   !


   5) Selected day table(s)
```

```
     Echo Option -- Many records are written each averaging period
     selected and output is grouped by day
     [List file or Plot file]
                          (LECHO) -- Default: F   !  LECHO = F  !

     Timeseries Option -- Averages at all selected receptors for
     each selected averaging period are written to timeseries files.
     Each file contains one averaging period, and all receptors are
     written to a single record each averaging time.
     [TSttUUUU.DAT files]
                          (LTIME) -- Default: F   !  LTIME = F  !

       -- Days selected for output
                     (IECHO(366)) -- Default: 366*0
          ! IECHO  = 366*0  !
          (366 values must be entered)

Plot output options
-------------------

     Plot files can be created for the Top-N, Exceedance, and Echo
     tables selected above.  Two formats for these files are available,
     DATA and GRID.  In the DATA format, results at all receptors are
     listed along with the receptor location [x,y,val1,val2,...].
     In the GRID format, results at only gridded receptors are written,
     using a compact representation.  The gridded values are written in
     rows (x varies), starting with the most southern row of the grid.
     The GRID format is given the .GRD extension, and includes headers
     compatible with the SURFER(R) plotting software.

     A plotting and analysis file can also be created for the daily
     peak visibility summary output, in DATA format only.

     Generate Plot file output in addition to writing tables
     to List file?
                                (LPLT) -- Default: F   ! LPLT  = F !

     Use GRID format rather than DATA format,
     when available?
                                (LGRD) -- Default: F   ! LGRD  = F !

Additional Output Options
-------------------------

   Output selected information to List file
    for debugging?
                               (LDEBUG) -- Default: F  ! LDEBUG  = F !

   Output hourly extinction information to REPORT.HRV?
    (Visibility Method 7)
                              (LVEXTHR) -- Default: F  ! LVEXTHR = F !

!END!
```

APPENDIX G

AIR MODELING PROTOCOL

APPEN G FW Air Modeling Protocol-Advanced Technology Coal Project.txt
From: Nelson, Deborah [Deborah.Nelson@dep.state.fl.us]
Sent: Friday, July 28, 2006 11:24 AM
To: Barbara_Linkiewicz@fpl.com; McCann, Bob; Kosky, Ken; Marks, Steve
Cc: Linero, Alvaro
Subject: FW: Air Modeling Protocol-Advanced Technology Coal Project

Importance: High

Please see below:

Debbie Nelson
Meteorologist
Air Permitting South
850-921-9537
deborah.nelson@dep.state.fl.us

-----Original Message-----
From: John_Notar@nps.gov [mailto:John_Notar@nps.gov]
Sent: Thursday, July 27, 2006 8:14 PM
To: Nelson, Deborah; Dee_Morse@nps.gov
Cc: Don_Shepherd@nps.gov; John_Notar@nps.gov; Tim_Allen@partner.nps.gov; John_Vimont@nps.gov
Subject: Air Modeling Protocol-Advanced Technology Coal Project
Importance: High

Debbie: Please pass this summary of the 7/25/06 conference call regarding the FP&L Air Modeling Protocol-Advanced Technology Coal Project.

Receptors: The NPS and Fish & Wildlife Service requests that the full NPS data set of receptors for Everglades NP and Chassahowitzka Wilderness be used in the Class I modeling analysis.

Significant Impact Analysis: If a detailed PSD Class I impact assessment is required for one or more pollutant, and inventory of Background PSD Class I increment-affecting sources will be developed with the assistance from the FDEP and the NPS and the FWS. Also minor increment consuming sources of the pollutant of concern within 50 KM of the respective Class I areas will be included in the cumulative increment analysis.

Additional Visibility Assessment: FP&L should submit a Class I visibility following the methodology without any modification as described in FLAG, December 2000 with the variable in CALPOST MVISBK=2 and a maximum f(RH) = 95% for both Class I areas. If FP&L wishes to submit additional visibility analyses they may do so.

CALPUFF Input Group 5: set the variables IDRY=1 and IWET=1
CALPUFF Input Group 5: Save to disk the : Concentrations, Dry Fluxes, Wet Fluxes of the 6 different PM species inputted in Subgroup 3(a).

POSTUTIL: after running POSTUTIL to speciate the PM emissions to SOA, EC, SOIL, and PMC; run POSTUTIL again with the new concentration file and set MNITRATE=1 to properly apportion the available NH3 to nitrate formation.

CALPOST: The NPS and FWS will accept the value of 11.3 (1/Mn) for the variable BEXTRAY for both Class I areas.

The impacts to the Class II increments for Big Cypress National Preserve and Biscayne National Park. Also calculate the total nitrogen deposition impacts to Biscayne NP. Please submit a map depicting receptor locations for both Class II areas prior to the modeling analysis for NPS review.

If there are any questions please contact me via e-mail or phone.

thanks
John Notar

John Notar
National Park Service
Air Resources Division
12795 W. Alameda Pkwy.
Lakewood, CO 80228
Phone: 303-969-2079
Fax: 303-969-2822
E-Mail: john_notar@nps.gov

Golder Associates Inc.

6241 NW 23rd Street, Suite 500
Gainesville, FL 32653-1500
Telephone (352) 336-5600
Fax (352) 336-6603

June 20, 2006

063-7567

Air Permitting - South
Florida Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, Florida 32301

Attn: Ms. Debbie Nelson, Meteorologist

RE: AIR MODELING PROTOCOL FOR ASSESSING POLLUTANT AND AQRV IMPACTS OF THE ADVANCED TECHNOLOGY COAL PROJECT ON THE EVERGLADES NATIONAL PARK

Dear Ms. Nelson:

On behalf of Florida Power & Light Company (FPL), Golder Associates Inc. (Golder) is providing this air modeling protocol to the Florida Department of Environmental Protection (FDEP) for submittal to the National Park Service (NPS) to present the Class I modeling methodologies to be used for the proposed Advanced Technology Coal Project (ATCP). The ATCP is approximately a nominal 1,700 to 1,950 megawatt (MW) supercritical pulverized coal power plant with a net heat rate of approximately 8,700 British thermal units per kilowatt-hour (Btu/kW-hr). Currently, potential project sites are being considered in Hendry and Glades Counties. These sites are both flat and entirely rural in nature and would be situated approximately 90 to 106 kilometers (km) north of the Everglades National Park (ENP). Because the second nearest prevention of significant deterioration (PSD) Class I area, the Chassahowitzka National Wilderness Area (NWA), is approximately 270 km from the proposed sites, the analysis will focus on the ENP. The location of the PSD Class I areas and potential project sites are shown in Figure 1.

The emission rates currently being considered are at or below the following levels: sulfur dioxide (SO_2) – 0.06 pound per million British thermal units (lb/MMBtu); nitrogen oxides (NO_x) – 0.06 lb/MMBtu; particulate matter (PM) (filterable) – 0.015 lb/MMBtu; sulfuric acid mist (SAM) – 0.005 lb/MMBtu; and total PM – 0.025 lb/MMBtu. The air emissions for the ATCP have not been finalized and will be developed based on fuels, design engineering, and an analysis of Best Available Control Technology (BACT).

MODEL OPTIONS AND INPUTS

CALPUFF Model

The California Puff [CALPUFF, Version 5.754 (i.e., BART Version)] air modeling system will be used on this project to predict maximum air quality pollutant and Air Quality Related Value (AQRV) impacts on the ENP. The CALPUFF model is a non-steady state Lagrangian puff long-range transport model that includes algorithms for chemical transformations (important for visibility-controlling pollutants) and wet/dry deposition. Recent technical enhancements, including changes to the over-water boundary layer formulation and coastal effects modules (sponsored by the Minerals Management Service), are included in this version. The CALPUFF model will be used in a manner that is consistent with methodologies recommended in the following documents and as discussed in recent telephone conversations with the NPS:

- Federal Land Managers' (FLMs) AQRV Workgroup (FLAG) guidance document, finalized in December 2000 and referred to as the FLAG Phase I Report; and

- Interagency Workgroup on Air Quality Models (IWAQM) Phase 2 Summary Report and Recommendations for Modeling Long-Range Transport Impacts [U.S. Environmental Protection Agency (EPA), 1998], referred to as the IWAQM Phase 2 report.

Parameter Settings

Parameter settings to be used in the CALPUFF modeling will be based on the latest regulatory guidance. Where the modeling guidance recommends regulatory model defaults, those defaults will be used. For ozone background concentrations, observed hourly ozone data for 2001 through 2003 from CASTNET and AIRS stations will be used. These data are available from the Earth Tech website. A fixed monthly ammonia background concentration of 0.5 parts per billion (ppb) will be used. Parameters will be set to generate an hourly relative humidity file and calculate wet and dry fluxes and concentrations.

A sample CALPUFF control file has been included in Appendix A that provides the parameter settings proposed for this project.

Speciation of Particulate Matter

Based on the latest regulatory guidance, PM emissions for the proposed project will be speciated into filterable and condensable components and into six particle size categories. The effect that each species has on visibility impairment is related to a parameter called the extinction coefficient. The higher the extinction coefficient, the greater that species' effect on visibility. Filterable PM is speciated into coarse (PMC), fine (PMF), and elemental carbon (EC). The default extinction efficiencies for these species are 0.6, 1.0, and 10.0, respectively. PMC is PM with aerodynamic diameter greater than 2.5 microns. Both EC and PMF have aerodynamic diameters equal to or less than 2.5 microns. Condensable PM is comprised of sulfate (SO_4) and secondary organic aerosols (SOA). The extinction efficiencies for these species are 3*f(RH) and 4, respectively, where f(RH) is the relative humidity factor.

PM speciation (PM_{10} versus $PM_{2.5}$) will be developed based on the best available vendor information for the proposed project's emission sources.

Emission Inventory and Building Wake Effects

The CALPUFF model will input the proposed project's emission, stack, and operating data as well as building dimensions to account for the effects of building-induced downwash on the emission sources. Merging of stack flues from the two proposed units will be used, as applicable. Dimensions for all significant building structures will be processed with the Building Profile Input Program (BPIP, Version 04274) and will be included in the CALPUFF model input. For the proposed project, total PM will be input to CALPUFF within six particle size categories. The PM group will then be speciated into filterable and condensable species using the POSTUTIL utility program. Note that emissions for condensable inorganic PM are input directly to CALPUFF as SO_4.

A sample POSTUTIL control file for predicting visibility impairment is included in Appendix B.

Meteorological and Geophysical Data

The air modeling analyses will be conducted using the latest meteorological and geophysical databases which have been developed for use with the most recent versions of CALPUFF. These datasets were prepared by the Visibility Improvement State and Tribal Association of the Southeast (VISTAS) for the purpose of conducting visibility impairment analyses under the Best Available Retrofit Technology (BART) Rule. A discussion of these databases can be found in Section 4.0 of

the document entitled, *Protocol for the Application of the CALPUFF Model for Analyses of BART* (revised March 9, 2006).

For the proposed project, the VISTAS Florida CALMET domain with 4-km spacing (VISTA refined Domain 2) will be used. The data cover the period from 2001 to 2003. Golder obtained these datasets from the FDEP. The FDEP and FLM have approved their use for this project.

Receptors

The NPS has developed 901 receptors to represent the boundary and internal areas for the ENP. Golder has reduced this dataset to 251 by reducing the interior receptor resolution of the set and retaining all boundary receptors, even on the south side of the ENP, as shown in Figure 2. The 251-receptor set has been used on prior PSD projects where the source to be modeled is a considerable distance from the ENP. Because the ENP is approximately 90 km from the proposed project site, the receptor set is proposed for capturing the maximum predicted impacts for this project.

ANALYSIS METHODOLOGY

The following paragraphs summarize the processing methods for assessing the proposed project's concentration impact on the ENP and on the AQRVs of deposition and visibility.

Significant Impact Analyses

The CALPUFF model will be used to perform a PSD Class I significant impact analysis at the ENP. The maximum predicted SO_2, nitrogen dioxide (NO_2), and PM_{10} concentrations due to the proposed project will be compared to EPA's proposed PSD Class I significant impact levels. If the project's impacts exceed the proposed EPA PSD Class I significant impact levels, then a more detailed PSD Class I increment analysis will be performed on a pollutant-specific basis. In the PSD Class I incremental analysis, PSD increment-affecting sources will be modeled for comparison to the allowable PSD Class I increments. The proposed PSD Class I significant impact levels are:

- SO_2: 3-hour – 1.0 micrograms per cubic meter ($\mu g/m^3$, 24-hour – 0.2 $\mu g/m^3$; and annual average – 0.1 $\mu g/m^3$,
- NO_2: annual average – 0.1 $\mu g/m^3$,
- PM_{10}: 24-hour – 0.3 $\mu g/m^3$; and annual average – 0.2 $\mu g/m^3$,

If a detailed PSD Class I impact assessment is required for one or more pollutants, an inventory of background PSD Class I increment-affecting sources will be developed with assistance from the FDEP.

Visibility

Based on the FLAG document, current regional haze guidelines characterize a change in visibility by the change in the light-extinction coefficient (b_{ext}). The b_{ext} is the attenuation of light per unit distance due to the scattering and absorption by gases and particles in the atmosphere. A change in the extinction coefficient produces a perceived visual change. An index that simply quantifies the percent change in visibility due to the operation of a source is calculated as:

$$\Delta\% = (bexts / bextb) \times 100$$

where: b_{exts} is the extinction coefficient calculated for the source, and

b_{extb} is the background extinction coefficient.

The purpose of the visibility analysis is to calculate the extinction at each receptor for each day (24-hour period) of the year due to the proposed project emissions. The criteria to determine if the project's impacts are potentially significant are based on a change in extinction of 5 percent or greater for any day of the year.

The CALPUFF postprocessor model CALPOST will be used to calculate the combined visibility effects from the different pollutants that are emitted from the proposed project. Based on communications with the NPS, daily background extinction coefficients are to be calculated on an hour-by-hour basis using hourly relative humidity data from CALMET and hygroscopic and non-hygroscopic extinction components specified in the FLAG document (Visibility Method 2). For the ENP, the hygroscopic and non-hygroscopic components are 0.9 and 8.5 inverse megameter (Mm-1), respectively. CALPOST then calculates the percent extinction change for each day of the year. A Rayleigh scattering term of 11.3 Mm-1 will be used for the analysis. This value is from Table A of the document entitled, *Revised IMPROVE Algorithm for Estimating Light Extinction from Particle Speciation Data* (IMPROVE, 2005).

A sample CALPOST control file for visibility impairment using Method 2 is included in Appendix C.

Additional Visibility Assessments

In order to provide additional useful information for this analysis, Golder will determine the weather conditions for all days for which the visibility impairment is predicted to exceed 5 percent using Method 2. This analysis will review those days and identify hours with potential meteorological conditions, such as rain and fog, that lead to existing reduced visibility conditions. These conditions often produce unrealistic impacts for a source when the visibility is already reduced due to natural causes.

Golder will also perform the visibility impairment analysis using Visibility Method 6, which applies monthly average relative humidity factors based in values from Table A-3 of the EPA document, *Guidance for Estimating Natural Visibility Conditions Under the Regional Haze Rule* (September 2003). This approach is currently recommended for sources that are affected by the BART regulations and uses the predicted 98th percentile concentration to compare to visibility criteria. This comparison will provide an additional assessment of potential visibility impairment for the project based on the evolving approach in assessing regional haze impacts at PSD Class I areas.

Deposition

As part of the AQRV analyses, total sulfur (S) and nitrogen (N) deposition rates will be predicted for the proposed project at the ENP. The deposition analysis criterion is based on the annual averaging period. The total deposition is estimated in units of kilograms per hectare per year (kg/ha/yr) of nitrogen or sulfur. The CALPUFF model is used to predict wet and dry deposition fluxes of various oxides of these elements.

For N deposition, the species include:

- Particulate ammonium nitrate (from species NO_3), wet and dry deposition;
- Nitric acid (species HNO_3), wet and dry deposition;
- NO_x dry deposition; and
- Ammonium sulfate (species SO_4), wet and dry deposition.

For S deposition, the species include:

- SO_2, wet and dry deposition; and
- SO_4, wet and dry deposition.

The CALPUFF model produces results in units of micrograms per square meter per second ($\mu g/m^2/s$). The modeled deposition rates will be converted to N or S deposition in kilograms per hectare (kg/ha) respectively, by using a multiplier equal to the ratio of the molecular weights of the substances (IWAQM Phase II Report, Section 3.3).

Deposition analysis thresholds (DAT) for total N and S deposition, of 0.01 kg/ha/yr, were provided by the U.S. Fish and Wildlife Service (USFWS) (January 2002). A DAT is the additional amount of N or S deposition within a Class I area, below which estimated impacts from a proposed new or modified source are considered insignificant. The maximum N and S depositions predicted for the proposed project will be compared to these DAT or significant impact levels.

The wet and dry sulfate and nitrate fluxes will be converted into total N and S fluxes using the POSTUTIL utility program.

A sample POSTUTIL control file for deposition and a sample CALPOST control file for N deposition are included in Appendix D.

We look forward to receiving your comments on this protocol and working with the FDEP and the NPS on this important project. If there are any questions, please contact me or Ken Kosky at (352) 336-5600.

Sincerely,

GOLDER ASSOCIATES INC.

Steven R. Marks, C.C.M.
Associate

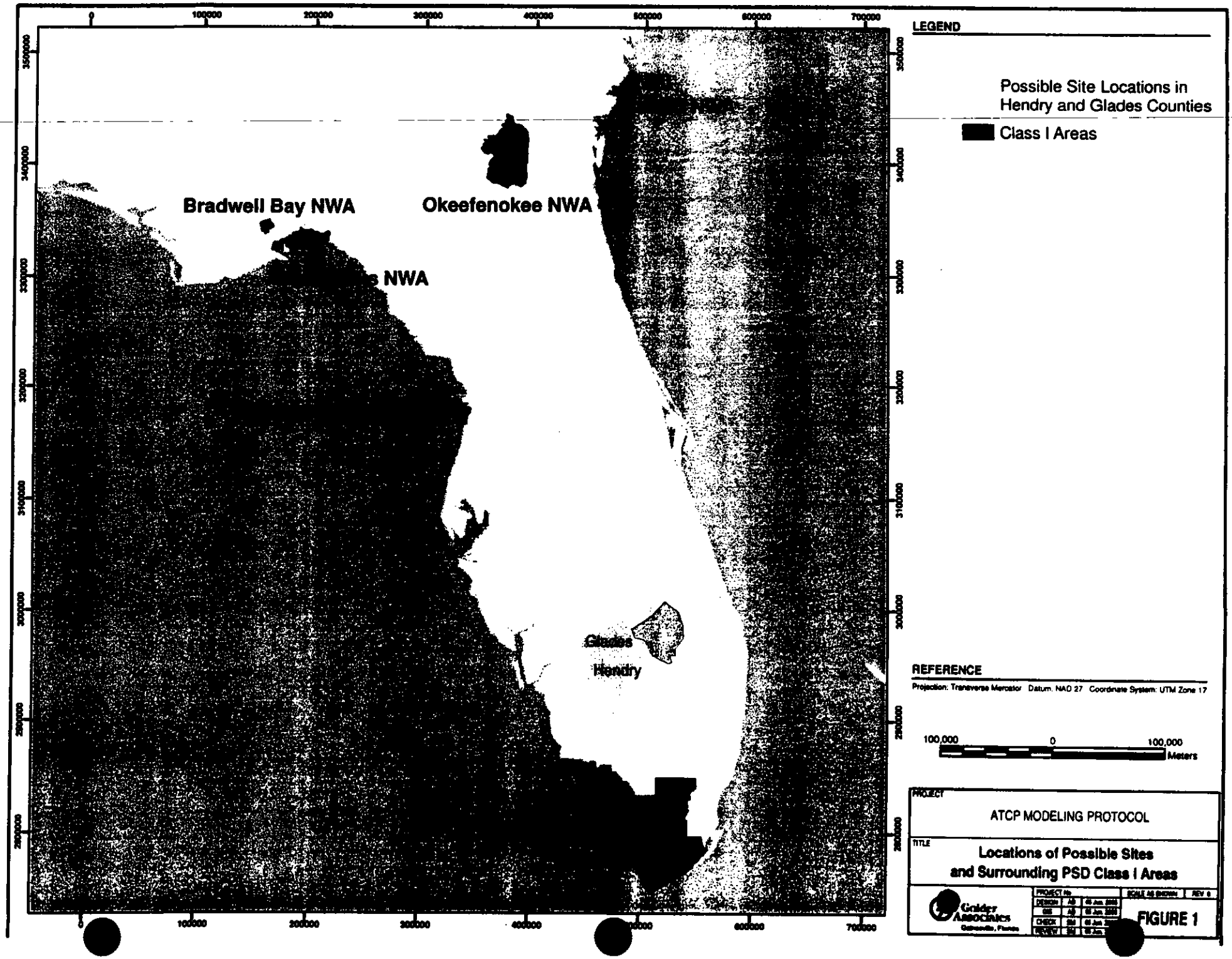
Kennard F. Kosky, P.E.
Principal

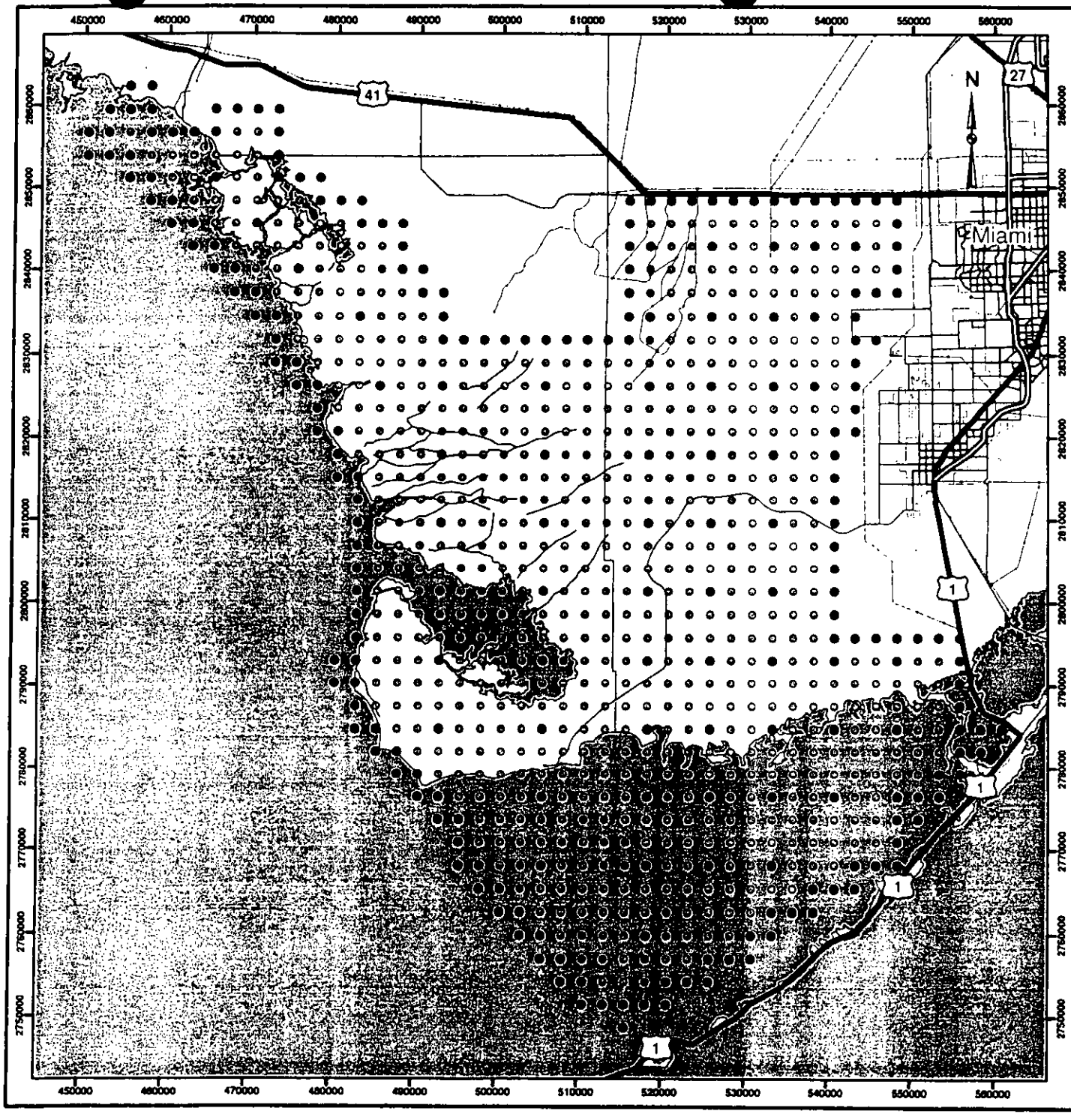
Attachments

SRM/all

Y:\Projects\2006\0637567 FPL Solid Fuel - ATCP\4.1\060906\L061906-567.doc

Cc. K. Salvador


LEGEND
Possible Site Locations in Hendry and Glades Counties
Class I Areas
Bradwell Bay NWA
Okeefenokee NWA
NWA
Glades
Hendry
REFERENCE
Projection: Transverse Mercator Datum: NAD 27 Coordinate System: UTM Zone 17
100,000 0 100,000
Meters
PROJECT
ATCP MODELING PROTOCOL
TITLE
Locations of Possible Sites and Surrounding PSD Class I Areas
Golder Associates
FIGURE 1



LEGEND

Everglades NP

- 251 Thinned Receptor Grid
- Receptors Removed

REFERENCE

Projection: Transverse Mercator Datum: NAD 27 Coordinate System: UTM Zone 17

16,000 0 16,000 Meters

PROJECT

ATCP MODELING PROTOCOL

TITLE

CALPUFF Modeling Receptors Everglades

Golder Associates Gainesville, Florida

PROJECT No.			SCALE AS SHOWN	REV. 0
DESIGN	AB	25 Apr 2004		
GIS	AB	25 Apr 2004		

FIGURE 2

APPENDIX A
SAMPLE CALPUFF CONTROL FILE

```
FPL ADVANCE TECHNOLOGY COAL PROJECT - CALPUFF MODELING
2 UNITS EACH 7,400 MMBTU/HR
4-km FLORIDA DOMAIN, 2002, IMPACTS AT ENP
---------------- Run title (3 lines) ------------------------------------------

                    CALPUFF MODEL CONTROL FILE
                    --------------------------

------------------------------------------------------------------------------

INPUT GROUP: 0 -- Input and Output File Names

--------------
Default Name  Type          File Name
------------  ----          ---------
CALMET.DAT    input    * METDAT =             *
    or
ISCMET.DAT    input    * ISCDAT =             *
    or
PLMMET.DAT    input    * PLMDAT =             *
    or
PROFILE.DAT   input    * PRFDAT =             *
SURFACE.DAT   input    * SFCDAT =             *
RESTARTB.DAT  input    * RSTARTB=             *
------------------------------------------------------------------------------
CALPUFF.LST   output   ! PUFLST = PUFFATCP.LST !
CONC.DAT      output   ! CONDAT = PUFFATCP.CON !
DFLX.DAT      output   * DFDAT  =             *
WFLX.DAT      output   * WFDAT  =             *

VISB.DAT      output   ! VISDAT = VISB.DAT    !
TK2D.DAT      output   * T2DDAT =             *
RHO2D.DAT     output   * RHODAT =             *
RESTARTE.DAT  output   * RSTARTE=             *
------------------------------------------------------------------------------
Emission Files
--------------
PTEMARB.DAT   input    * PTDAT  =             *
VOLEMARB.DAT  input    * VOLDAT =             *
BAEMARB.DAT   input    * ARDAT  =             *
LNEMARB.DAT   input    * LNDAT  =             *
------------------------------------------------------------------------------
Other Files
-----------
OZONE.DAT     input    ! OZDAT  =..\OZONE\2002FLOz.DAT !
VD.DAT        input    * VDDAT  =             *
CHEM.DAT      input    * CHEMDAT=             *
H2O2.DAT      input    * H2O2DAT=             *
HILL.DAT      input    * HILDAT=              *
HILLRCT.DAT   input    * RCTDAT=              *
COASTLN.DAT   input    * CSTDAT=              *
FLUXBDY.DAT   input    * BDYDAT=              *
BCON.DAT      input    * BCNDAT=              *
DEBUG.DAT     output   * DEBUG =              *
MASSFLX.DAT   output   * FLXDAT=              *
MASSBAL.DAT   output   * BALDAT=              *
FOG.DAT       output   * FOGDAT=              *
------------------------------------------------------------------------------
All file names will be converted to lower case if LCFILES = T
Otherwise, if LCFILES = F, file names will be converted to UPPER CASE
         T = lower case      ! LCFILES = T !
         F = UPPER CASE
NOTE: (1) file/path names can be up to 70 characters in length


Provision for multiple input files
----------------------------------

     Number of CALMET.DAT files for run (NMETDAT)
                                  Default: 1       ! NMETDAT =   36  !
```

```
 Number of PTEMARB.DAT files for run (NPTDAT)
                                  Default: 0       ! NPTDAT =  0  !

 Number of BAEMARB.DAT files for run (NARDAT)
                                  Default: 0       ! NARDAT =  0  !

 Number of VOLEMARB.DAT files for run (NVOLDAT)
                                  Default: 0       ! NVOLDAT =  0  !

!END!

-------------
Subgroup (0a)
-------------

  The following CALMET.DAT filenames are processed in sequence if NMETDAT>1

Default Name  Type          File Name
------------  ----          ---------
CALMET.DAT    input    ! METDAT =D:\FLA4KM\2002\MET2002-DOM2-01A.DAT ! !END!
CALMET.DAT    input    ! METDAT =D:\FLA4KM\2002\MET2002-DOM2-01B.DAT ! !END!
CALMET.DAT    input    ! METDAT =D:\FLA4KM\2002\MET2002-DOM2-01C.DAT ! !END!
CALMET.DAT    input    ! METDAT =D:\FLA4KM\2002\MET2002-DOM2-02A.DAT ! !END!
CALMET.DAT    input    ! METDAT =D:\FLA4KM\2002\MET2002-DOM2-02B.DAT ! !END!
CALMET.DAT    input    ! METDAT =D:\FLA4KM\2002\MET2002-DOM2-02C.DAT ! !END!
CALMET.DAT    input    ! METDAT =D:\FLA4KM\2002\MET2002-DOM2-03A.DAT ! !END!
CALMET.DAT    input    ! METDAT =D:\FLA4KM\2002\MET2002-DOM2-03B.DAT ! !END!
CALMET.DAT    input    ! METDAT =D:\FLA4KM\2002\MET2002-DOM2-03C.DAT ! !END!
CALMET.DAT    input    ! METDAT =D:\FLA4KM\2002\MET2002-DOM2-04A.DAT ! !END!
CALMET.DAT    input    ! METDAT =D:\FLA4KM\2002\MET2002-DOM2-04B.DAT ! !END!
CALMET.DAT    input    ! METDAT =D:\FLA4KM\2002\MET2002-DOM2-04C.DAT ! !END!
CALMET.DAT    input    ! METDAT =D:\FLA4KM\2002\MET2002-DOM2-05A.DAT ! !END!
CALMET.DAT    input    ! METDAT =D:\FLA4KM\2002\MET2002-DOM2-05B.DAT ! !END!
CALMET.DAT    input    ! METDAT =D:\FLA4KM\2002\MET2002-DOM2-05C.DAT ! !END!
CALMET.DAT    input    ! METDAT =D:\FLA4KM\2002\MET2002-DOM2-06A.DAT ! !END!
CALMET.DAT    input    ! METDAT =D:\FLA4KM\2002\MET2002-DOM2-06B.DAT ! !END!
CALMET.DAT    input    ! METDAT =D:\FLA4KM\2002\MET2002-DOM2-06C.DAT ! !END!
CALMET.DAT    input    ! METDAT =D:\FLA4KM\2002\MET2002-DOM2-07A.DAT ! !END!
CALMET.DAT    input    ! METDAT =D:\FLA4KM\2002\MET2002-DOM2-07B.DAT ! !END!
CALMET.DAT    input    ! METDAT =D:\FLA4KM\2002\MET2002-DOM2-07C.DAT ! !END!
CALMET.DAT    input    ! METDAT =D:\FLA4KM\2002\MET2002-DOM2-08A.DAT ! !END!
CALMET.DAT    input    ! METDAT =D:\FLA4KM\2002\MET2002-DOM2-08B.DAT ! !END!
CALMET.DAT    input    ! METDAT =D:\FLA4KM\2002\MET2002-DOM2-08C.DAT ! !END!
CALMET.DAT    input    ! METDAT =D:\FLA4KM\2002\MET2002-DOM2-09A.DAT ! !END!
CALMET.DAT    input    ! METDAT =D:\FLA4KM\2002\MET2002-DOM2-09B.DAT ! !END!
CALMET.DAT    input    ! METDAT =D:\FLA4KM\2002\MET2002-DOM2-09C.DAT ! !END!
CALMET.DAT    input    ! METDAT =D:\FLA4KM\2002\MET2002-DOM2-10A.DAT ! !END!
CALMET.DAT    input    ! METDAT =D:\FLA4KM\2002\MET2002-DOM2-10B.DAT ! !END!
CALMET.DAT    input    ! METDAT =D:\FLA4KM\2002\MET2002-DOM2-10C.DAT ! !END!
CALMET.DAT    input    ! METDAT =D:\FLA4KM\2002\MET2002-DOM2-11A.DAT ! !END!
CALMET.DAT    input    ! METDAT =D:\FLA4KM\2002\MET2002-DOM2-11B.DAT ! !END!
CALMET.DAT    input    ! METDAT =D:\FLA4KM\2002\MET2002-DOM2-11C.DAT ! !END!
CALMET.DAT    input    ! METDAT =D:\FLA4KM\2002\MET2002-DOM2-12A.DAT ! !END!
CALMET.DAT    input    ! METDAT =D:\FLA4KM\2002\MET2002-DOM2-12B.DAT ! !END!
CALMET.DAT    input    ! METDAT =D:\FLA4KM\2002\MET2002-DOM2-12C.DAT ! !END!
-------------------------------------------------------------------------------

INPUT GROUP: 1 -- General run control parameters
--------------

 Option to run all periods found
 in the met. file     (METRUN)   Default: 0       ! METRUN =   0  !

      METRUN = 0 - Run period explicitly defined below
      METRUN = 1 - Run all periods in met. file

 Starting date:   Year (IBYR) -- No default       ! IBYR =  2002  !
 (used only if   Month (IBMO) -- No default       ! IBMO =  1  !
  METRUN = 0)      Day (IBDY) -- No default       ! IBDY =  1  !
                  Hour (IBHR) -- No default       ! IBHR =  1  !
```

```
Base time zone          (XBTZ) -- No default        ! XBTZ = 5.0  !
   PST = 8., MST = 7.
   CST = 6., EST = 5.

Length of run (hours) (IRLG) -- No default        ! IRLG = 8760 !

Number of chemical species (NSPEC)
                                Default: 5        ! NSPEC = 12   !

Number of chemical species
to be emitted  (NSE)            Default: 3        ! NSE = 10    !

Flag to stop run after
SETUP phase (ITEST)             Default: 2        ! ITEST =  2   !
(Used to allow checking
of the model inputs, files, etc.)
      ITEST = 1 - STOPS program after SETUP phase
      ITEST = 2 - Continues with execution of program
                  after SETUP

Restart Configuration:

   Control flag (MRESTART)      Default: 0        ! MRESTART =  0   !

      0 = Do not read or write a restart file
      1 = Read a restart file at the beginning of
          the run
      2 = Write a restart file during run
      3 = Read a restart file at beginning of run
          and write a restart file during run

   Number of periods in Restart
   output cycle (NRESPD)        Default: 0        ! NRESPD =  0   !

      0 = File written only at last period
     >0 = File updated every NRESPD periods

Meteorological Data Format (METFM)
                                Default: 1        ! METFM =  1   !

      METFM = 1 - CALMET binary file (CALMET.MET)
      METFM = 2 - ISC ASCII file (ISCMET.MET)
      METFM = 3 - AUSPLUME ASCII file (PLMMET.MET)
      METFM = 4 - CTDM plus tower file (PROFILE.DAT) and
                  surface parameters file (SURFACE.DAT)

PG sigma-y is adjusted by the factor (AVET/PGTIME)**0.2
Averaging Time (minutes) (AVET)
                                Default: 60.0     ! AVET = 60. !
PG Averaging Time (minutes) (PGTIME)
                                Default: 60.0     ! PGTIME = 60. !

!END!

------------------------------------------------------------------------------

INPUT GROUP: 2 -- Technical options
--------------


Vertical distribution used in the
near field (MGAUSS)                Default: 1     ! MGAUSS =  1   !
   0 = uniform
   1 = Gaussian

Terrain adjustment method
(MCTADJ)                           Default: 3     ! MCTADJ =  3   !
   0 = no adjustment
   1 = ISC-type of terrain adjustment
```

```
   2 = simple, CALPUFF-type of terrain
       adjustment
   3 = partial plume path adjustment

Subgrid-scale complex terrain
flag (MCTSG)                          Default: 0     ! MCTSG =  0   !
   0 = not modeled
   1 = modeled

Near-field puffs modeled as
elongated 0 (MSLUG)                   Default: 0     ! MSLUG =  0   !
   0 = no
   1 = yes (slug model used)

Transitional plume rise modeled ?
(MTRANS)                              Default: 1     ! MTRANS =  1   !
   0 = no  (i.e., final rise only)
   1 = yes (i.e., transitional rise computed)

Stack tip downwash? (MTIP)            Default: 1     ! MTIP =  1   !
   0 = no  (i.e., no stack tip downwash)
   1 = yes (i.e., use stack tip downwash)

Vertical wind shear modeled above
stack top? (MSHEAR)                   Default: 0     ! MSHEAR =  0   !
   0 = no  (i.e., vertical wind shear not modeled)
   1 = yes (i.e., vertical wind shear modeled)

Puff splitting allowed? (MSPLIT)      Default: 0     ! MSPLIT =  0   !
   0 = no (i.e., puffs not split)
   1 = yes (i.e., puffs are split)

Chemical mechanism flag (MCHEM)       Default: 1     ! MCHEM =  1   !
   0 = chemical transformation not
       modeled
   1 = transformation rates computed
       internally (MESOPUFF II scheme)
   2 = user-specified transformation
       rates used
   3 = transformation rates computed
       internally (RIVAD/ARM3 scheme)
   4 = secondary organic aerosol formation
       computed (MESOPUFF II scheme for OH)

Aqueous phase transformation flag (MAQCHEM)
(Used only if MCHEM = 1, or 3)        Default: 0     ! MAQCHEM =  0   !
   0 = aqueous phase transformation
       not modeled
   1 = transformation rates adjusted
       for aqueous phase reactions

Wet removal modeled ? (MWET)          Default: 1     ! MWET =  1   !
   0 = no
   1 = yes

Dry deposition modeled ? (MDRY)       Default: 1     ! MDRY =  1   !
   0 = no
   1 = yes
   (dry deposition method specified
    for each species in Input Group 3)

Method used to compute dispersion
coefficients (MDISP)                  Default: 3     ! MDISP =  3   !

   1 = dispersion coefficients computed from measured values
       of turbulence, sigma v, sigma w
   2 = dispersion coefficients from internally calculated
       sigma v, sigma w using micrometeorological variables
       (u*, w*, L, etc.)
   3 = PG dispersion coefficients for RURAL areas (computed using
       the ISCST multi-segment approximation) and MP coefficients in
```

```
        urban areas
    4 = same as 3 except PG coefficients computed using
        the MESOPUFF II eqns.
    5 = CTDM sigmas used for stable and neutral conditions.
        For unstable conditions, sigmas are computed as in
        MDISP = 3, described above.  MDISP = 5 assumes that
        measured values are read

Sigma-v/sigma-theta, sigma-w measurements used? (MTURBVW)
(Used only if MDISP = 1 or 5)          Default: 3      ! MTURBVW =  3  !
    1 = use sigma-v or sigma-theta measurements
        from PROFILE.DAT to compute sigma-y
        (valid for METFM = 1, 2, 3, 4)
    2 = use sigma-w measurements
        from PROFILE.DAT to compute sigma-z
        (valid for METFM = 1, 2, 3, 4)
    3 = use both sigma-(v/theta) and sigma-w
        from PROFILE.DAT to compute sigma-y and sigma-z
        (valid for METFM = 1, 2, 3, 4)
    4 = use sigma-theta measurements
        from PLMMET.DAT to compute sigma-y
        (valid only if METFM = 3)

Back-up method used to compute dispersion
when measured turbulence data are
missing (MDISP2)                       Default: 3      ! MDISP2 =  3  !
(used only if MDISP = 1 or 5)
    2 = dispersion coefficients from internally calculated
        sigma v, sigma w using micrometeorological variables
        (u*, w*, L, etc.)
    3 = PG dispersion coefficients for RURAL areas (computed using
        the ISCST multi-segment approximation) and MP coefficients in
        urban areas
    4 = same as 3 except PG coefficients computed using
        the MESOPUFF II eqns.

PG sigma-y,z adj. for roughness?       Default: 0      ! MROUGH =  0  !
(MROUGH)
    0 = no
    1 = yes

Partial plume penetration of           Default: 1      ! MPARTL =  1  !
elevated inversion?
(MPARTL)
    0 = no
    1 = yes

Strength of temperature inversion      Default: 0      ! MTINV =  0  !
provided in PROFILE.DAT extended records?
(MTINV)
    0 = no (computed from measured/default gradients)
    1 = yes

PDF used for dispersion under convective conditions?
                                       Default: 0      ! MPDF =  0  !
(MPDF)
    0 = no
    1 = yes

Sub-Grid TIBL module used for shore line?
                                       Default: 0      ! MSGTIBL = 0  !
(MSGTIBL)
    0 = no
    1 = yes

Boundary conditions (concentration) modeled?
                                       Default: 0      ! MBCON = 0  !
(MBCON)
    0 = no
    1 = yes
```

```
Analyses of fogging and icing impacts due to emissions from
arrays of mechanically-forced cooling towers can be performed
using CALPUFF in conjunction with a cooling tower emissions
processor (CTEMISS) and its associated postprocessors.  Hourly
emissions of water vapor and temperature from each cooling tower
cell are computed for the current cell configuration and ambient
conditions by CTEMISS. CALPUFF models the dispersion of these
emissions and provides cloud information in a specialized format
for further analysis. Output to FOG.DAT is provided in either
'plume mode' or 'receptor mode' format.

Configure for FOG Model output?
                                        Default: 0      ! MFOG =  0   !
(MFOG)
   0 = no
   1 = yes  - report results in PLUME Mode format
   2 = yes  - report results in RECEPTOR Mode format


Test options specified to see if
they conform to regulatory
values? (MREG)                          Default: 1      ! MREG =  1   !

   0 = NO checks are made
   1 = Technical options must conform to USEPA
       Long Range Transport (LRT) guidance
                  METFM    1 or 2
                  AVET     60. (min)
                  PGTIME   60. (min)
                  MGAUSS   1
                  MCTADJ   3
                  MTRANS   1
                  MTIP     1
                  MCHEM    1 or 3 (if modeling SOx, NOx)
                  MWET     1
                  MDRY     1
                  MDISP    2 or 3
                  MPDF     0 if MDISP=3
                           1 if MDISP=2
                  MROUGH   0
                  MPARTL   1
                  SYTDEP   550. (m)
                  MHFTSZ   0

!END!

--------------------------------------------------------------------------------

INPUT GROUP: 3a, 3b -- Species list
-----------------

------------
Subgroup (3a)
------------

  The following species are modeled:

! CSPEC =          SO2 !          !END!
! CSPEC =          SO4 !          !END!
! CSPEC =          NOX !          !END!
! CSPEC =         HNO3 !          !END!
! CSPEC =          NO3 !          !END!
! CSPEC =       PM0063 !          !END!
! CSPEC =       PM0100 !          !END!
! CSPEC =       PM0125 !          !END!
! CSPEC =       PM0250 !          !END!
! CSPEC =       PM0600 !          !END!
! CSPEC =       PM1000 !          !END!
```

```
! CSPEC =           CO !          !END!

                                                          Dry                    OUTPUT GROUP
    SPECIES          MODELED          EMITTED          DEPOSITED                 NUMBER
     NAME          (0=NO, 1=YES)    (0=NO, 1=YES)     (0=NO,                   (0=NONE,
   (Limit: 12                                          1=COMPUTED-GAS           1=1st CGRUP,
    Characters                                         2=COMPUTED-PARTICLE      2=2nd CGRUP,
    in length)                                         3=USER-SPECIFIED)        3= etc.)

!          SO2  =         1,               1,          1,                     0    !
!          SO4  =         1,               1,          2,                     0    !
!          NOX  =         1,               1,          1,                     0    !
!         HNO3  =         1,               0,          1,                     0    !
!          NO3  =         1,               0,          2,                     0    !
!       PM0063  =         1,               1,          2,                     1    !
!       PM0100  =         1,               1,          2,                     1    !
!       PM0125  =         1,               1,          2,                     1    !
!       PM0250  =         1,               1,          2,                     1    !
!       PM0600  =         1,               1,          2,                     1    !
!       PM1000  =         1,               1,          2,                     1    !
!            CO  =        1,               1,          0,                     0    !

!END!

-------------
Subgroup (3b)
-------------
  The following names are used for Species-Groups in which results
  for certain species are combined (added) prior to output.  The
  CGRUP name will be used as the species name in output files.
  Use this feature to model specific particle-size distributions
  by treating each size-range as a separate species.
  Order must be consistent with 3(a) above.

! CGRUP =          PM10 !      !END!

INPUT GROUP: 4 -- Map Projection and Grid control parameters
--------------

     Projection for all (X,Y):
     -------------------------

     Map projection
     (PMAP)                      Default: UTM     ! PMAP = LCC  !

         UTM :  Universal Transverse Mercator
         TTM :  Tangential Transverse Mercator
         LCC :  Lambert Conformal Conic
          PS :  Polar Stereographic
          EM :  Equatorial Mercator
        LAZA :  Lambert Azimuthal Equal Area

     False Easting and Northing (km) at the projection origin
     (Used only if PMAP= TTM, LCC, or LAZA)
     (FEAST)                     Default=0.0      ! FEAST  = 0.000  !
     (FNORTH)                    Default=0.0      ! FNORTH = 0.000  !

     UTM zone (1 to 60)
     (Used only if PMAP=UTM)
     (IUTMZN)                    No Default       ! IUTMZN =  0 !

     Hemisphere for UTM projection?
     (Used only if PMAP=UTM)
     (UTMHEM)                    Default: N       ! UTMHEM = N  !
         N    :  Northern hemisphere projection
         S    :  Southern hemisphere projection

     Latitude and Longitude (decimal degrees) of projection origin
     (Used only if PMAP= TTM, LCC, PS, EM, or LAZA)
     (RLAT0)                     No Default       ! RLAT0 =  40N !
     (RLON0)                     No Default       ! RLON0 =  97W !
```

```
    TTM :  RLON0 identifies central (true N/S) meridian of projection
           RLAT0 selected for convenience
    LCC :  RLON0 identifies central (true N/S) meridian of projection
           RLAT0 selected for convenience
    PS  :  RLON0 identifies central (grid N/S) meridian of projection
           RLAT0 selected for convenience
    EM  :  RLON0 identifies central meridian of projection
           RLAT0 is REPLACED by 0.0N (Equator)
    LAZA:  RLON0 identifies longitude of tangent-point of mapping plane
           RLAT0 identifies latitude of tangent-point of mapping plane

Matching parallel(s) of latitude (decimal degrees) for projection
(Used only if PMAP= LCC or PS)
(XLAT1)                    No Default       ! XLAT1 = 33N  !
(XLAT2)                    No Default       ! XLAT2 = 45N  !

    LCC :  Projection cone slices through Earth's surface at XLAT1 and XLAT2
    PS  :  Projection plane slices through Earth at XLAT1
           (XLAT2 is not used)

----------
Note:  Latitudes and longitudes should be positive, and include a
       letter N,S,E, or W indicating north or south latitude, and
       east or west longitude.  For example,
       35.9  N Latitude  =  35.9N
       118.7 E Longitude = 118.7E


Datum-region
------------

The Datum-Region for the coordinates is identified by a character
string.  Many mapping products currently available use the model of the
Earth known as the World Geodetic System 1984 (WGS-84).  Other local
models may be in use, and their selection in CALMET will make its output
consistent with local mapping products.  The list of Datum-Regions with
official transformation parameters is provided by the National Imagery and
Mapping Agency (NIMA).

NIMA Datum - Regions(Examples)
------------------------------------------------------------------------------
WGS-84     WGS-84 Reference Ellipsoid and Geoid, Global coverage (WGS84)
NAS-C      NORTH AMERICAN 1927 Clarke 1866 Spheroid, MEAN FOR CONUS (NAD27)
NAR-C      NORTH AMERICAN 1983 GRS 80 Spheroid, MEAN FOR CONUS (NAD83)
NWS-84     NWS 6370KM Radius, Sphere
ESR-S      ESRI REFERENCE 6371KM Radius, Sphere

Datum-region for output coordinates
(DATUM)                    Default: WGS-G     ! DATUM = NWS-84 !


METEOROLOGICAL Grid:

 Rectangular grid defined for projection PMAP,
 with X the Easting and Y the Northing coordinate

       No. X grid cells (NX)      No default      ! NX = 263   !
       No. Y grid cells (NY)      No default      ! NY = 206    !
    No. vertical layers (NZ)      No default      ! NZ =  10   !

      Grid spacing (DGRIDKM)      No default      ! DGRIDKM = 4. !
                                  Units: km

           Cell face heights
               (ZFACE(nz+1))      No defaults
                                  Units: m
   ! ZFACE = 0.,20.,40.,80.,160.,320.,640.,1200.,2000.,3000.,4000. !

       Reference Coordinates
      of SOUTHWEST corner of
```

```
                grid cell(1, 1):

          X coordinate (XORIGKM)      No default      ! XORIGKM =  721.995 !
          Y coordinate (YORIGKM)      No default      ! YORIGKM = -1598.000 !
                                    Units: km

COMPUTATIONAL Grid:

     The computational grid is identical to or a subset of the MET. grid.
     The lower left (LL) corner of the computational grid is at grid point
     (IBCOMP, JBCOMP) of the MET. grid.  The upper right (UR) corner of the
     computational grid is at grid point (IECOMP, JECOMP) of the MET. grid.
     The grid spacing of the computational grid is the same as the MET. grid.

        X index of LL corner (IBCOMP)      No default      ! IBCOMP =  1   !
                  (1 <= IBCOMP <= NX)

        Y index of LL corner (JBCOMP)      No default      ! JBCOMP =  1   !
                  (1 <= JBCOMP <= NY)


        X index of UR corner (IECOMP)      No default      ! IECOMP = 263 !
                  (1 <= IECOMP <= NX)

        Y index of UR corner (JECOMP)      No default      ! JECOMP = 206 !
                  (1 <= JECOMP <= NY)


SAMPLING Grid (GRIDDED RECEPTORS):

     The lower left (LL) corner of the sampling grid is at grid point
     (IBSAMP, JBSAMP) of the MET. grid.  The upper right (UR) corner of the
     sampling grid is at grid point (IESAMP, JESAMP) of the MET. grid.
     The sampling grid must be identical to or a subset of the computational
     grid.  It may be a nested grid inside the computational grid.
     The grid spacing of the sampling grid is DGRIDKM/MESHDN.

        Logical flag indicating if gridded
        receptors are used (LSAMP)         Default: T      ! LSAMP = F !
        (T=yes, F=no)

        X index of LL corner (IBSAMP)      No default      ! IBSAMP =  1   !
          (IBCOMP <= IBSAMP <= IECOMP)

        Y index of LL corner (JBSAMP)      No default      ! JBSAMP =  1   !
          (JBCOMP <= JBSAMP <= JECOMP)


        X index of UR corner (IESAMP)      No default      ! IESAMP =  263 !
          (IBCOMP <= IESAMP <= IECOMP)

        Y index of UR corner (JESAMP)      No default      ! JESAMP =  206  !
          (JBCOMP <= JESAMP <= JECOMP)


       Nesting factor of the sampling
        grid (MESHDN)                      Default: 1      ! MESHDN =  1   !
        (MESHDN is an integer >= 1)

!END!

--------------------------------------------------------------------------------


INPUT GROUP: 5 -- Output Options
--------------

     FILE                          DEFAULT VALUE              VALUE THIS RUN
```

```
----                          -------------              --------------

Concentrations (ICON)                 1                  !  ICON =  1   !
Dry Fluxes (IDRY)                     1                  !  IDRY =  0   !
Wet Fluxes (IWET)                     1                  !  IWET =  0   !
Relative Humidity (IVIS)              1                  !  IVIS =  1   !
((relative humidity file is
  required for visibility
  analysis)
Use data compression option in output file?
(LCOMPRS)                        Default: T              ! LCOMPRS = T !

*
0 = Do not create file, 1 = create file

DIAGNOSTIC MASS FLUX OUTPUT OPTIONS:

   Mass flux across specified boundaries
   for selected species reported hourly?
   (IMFLX)                       Default: 0              ! IMFLX =  0  !
     0 = no
     1 = yes (FLUXBDY.DAT and MASSFLX.DAT filenames
              are specified in Input Group 0)

   Mass balance for each species
   reported hourly?
   (IMBAL)                       Default: 0              ! IMBAL =  0  !
     0 = no
     1 = yes (MASSBAL.DAT filename is
          specified in Input Group 0)


LINE PRINTER OUTPUT OPTIONS:

   Print concentrations (ICPRT)  Default: 0              ! ICPRT =  0  !
   Print dry fluxes (IDPRT)      Default: 0              ! IDPRT =  0  !
   Print wet fluxes (IWPRT)      Default: 0              ! IWPRT =  0  !
   (0 = Do not print, 1 = Print)

   Concentration print interval
   (ICFRQ) in hours              Default: 1              ! ICFRQ =  24 !
   Dry flux print interval
   (IDFRQ) in hours              Default: 1              ! IDFRQ =  1  !
   Wet flux print interval
   (IWFRQ) in hours              Default: 1              ! IWFRQ =  1  !

   Units for Line Printer Output
   (IPRTU)                       Default: 1              ! IPRTU =  3  !
                    for              for
                Concentration    Deposition
        1 =        g/m**3          g/m**2/s
        2 =       mg/m**3         mg/m**2/s
        3 =       ug/m**3         ug/m**2/s
        4 =       ng/m**3         ng/m**2/s
        5 =     Odour Units

   Messages tracking progress of run
   written to the screen ?
   (IMESG)                       Default: 2              ! IMESG =  2  !
     0 = no
     1 = yes (advection step, puff ID)
     2 = yes (YYYYJJJHH, # old puffs, # emitted puffs)


 SPECIES (or GROUP for combined species) LIST FOR OUTPUT OPTIONS

                ---- CONCENTRATIONS ----   ------ DRY FLUXES ------   ------ WET FLUXES ------
-- MASS FLUX --
   SPECIES
```

```
   /GROUP          PRINTED?  SAVED ON DISK?   PRINTED?  SAVED ON DISK?   PRINTED?  SAVED ON DISK?
SAVED ON DISK?
   -------         ------------------------   ------------------------   ------------------------
---------------
!           SO2 =      0,           1,           0,           1,           0,           1,
0   !
!           SO4 =      0,           1,           0,           1,           0,           1,
0   !
!           NOX =      0,           1,           0,           1,           0,           1,
0   !
!          HNO3 =      0,           1,           0,           1,           0,           1,
0   !
!           NO3 =      0,           1,           0,           1,           0,           1,
0   !
!          PM10 =      0,           1,           0,           1,           0,           1,
0   !

     OPTIONS FOR PRINTING "DEBUG" QUANTITIES (much output)

       Logical for debug output
       (LDEBUG)                                  Default: F      ! LDEBUG = F !

       First puff to track
       (IPFDEB)                                  Default: 1      ! IPFDEB =  1  !

       Number of puffs to track
       (NPFDEB)                                  Default: 1      ! NPFDEB =  1  !

       Met. period to start output
       (NN1)                                     Default: 1      ! NN1 =  1   !

       Met. period to end output
       (NN2)                                     Default: 10     ! NN2 =  10  !

!END!

------------------------------------------------------------------------------


INPUT GROUP: 6a, 6b, & 6c -- Subgrid scale complex terrain inputs
-------------------------

---------------
Subgroup (6a)
---------------
       Number of terrain features (NHILL)        Default: 0      ! NHILL =  0   !

       Number of special complex terrain
       receptors  (NCTREC)                       Default: 0      ! NCTREC =  0   !

       Terrain and CTSG Receptor data for
       CTSG hills input in CTDM format ?
       (MHILL)                                   No Default      ! MHILL =  2   !
       1 = Hill and Receptor data created
           by CTDM processors & read from
           HILL.DAT and HILLRCT.DAT files
       2 = Hill data created by OPTHILL &
           input below in Subgroup (6b);
           Receptor data in Subgroup (6c)

       Factor to convert horizontal dimensions   Default: 1.0    ! XHILL2M = 1. !
       to meters (MHILL=1)

       Factor to convert vertical dimensions     Default: 1.0    ! ZHILL2M = 1. !
       to meters (MHILL=1)

       X-origin of CTDM system relative to       No Default      ! XCTDMKM = 0.0E00 !
       CALPUFF coordinate system, in Kilometers (MHILL=1)

       Y-origin of CTDM system relative to       No Default      ! YCTDMKM = 0.0E00 !
```

CALPUFF coordinate system, in Kilometers (MHILL=1)

! END !

Subgroup (6b)

---

1 **

HILL information

HILL NO.	XC (km)	YC (km)	THETAH (deg.)	ZGRID (m)	RELIEF (m)	EXPO 1 (m)	EXPO 2 (m)	SCALE 1 (m)	SCALE 2 (m)	AMAX1 (m)	AMAX2 (m)

Subgroup (6c)

COMPLEX TERRAIN RECEPTOR INFORMATION

XRCT (km)	YRCT (km)	ZRCT (m)	XHH

1

Description of Complex Terrain Variables:

- XC, YC = Coordinates of center of hill
- THETAH = Orientation of major axis of hill (clockwise from North)
- ZGRID = Height of the 0 of the grid above mean sea level
- RELIEF = Height of the crest of the hill above the grid elevation
- EXPO 1 = Hill-shape exponent for the major axis
- EXPO 2 = Hill-shape exponent for the major axis
- SCALE 1 = Horizontal length scale along the major axis
- SCALE 2 = Horizontal length scale along the minor axis
- AMAX = Maximum allowed axis length for the major axis
- BMAX = Maximum allowed axis length for the major axis

XRCT, YRCT = Coordinates of the complex terrain receptors

- ZRCT = Height of the ground (MSL) at the complex terrain Receptor
- XHH = Hill number associated with each complex terrain receptor (NOTE: MUST BE ENTERED AS A REAL NUMBER)

**

NOTE: DATA for each hill and CTSG receptor are treated as a separate input subgroup and therefore must end with an input group terminator.

INPUT GROUP: 7 -- Chemical parameters for dry deposition of gases

---

SPECIES NAME	DIFFUSIVITY (cm**2/s)	ALPHA STAR	REACTIVITY	MESOPHYLL RESISTANCE (s/cm)	HENRY'S LAW COEFFICIENT (dimensionless)
! SO2 =	0.1509,	1000,	8,	0,	0.04 !

```
!          NOX =      0.1656,              1,              8,                    5,
3.5 !
!         HNO3 =      0.1628,              1,             18,                    0,
0.00000008 !

!END!
```

INPUT GROUP: 8 -- Size parameters for dry deposition of particles

For SINGLE SPECIES, the mean and standard deviation are used to compute a deposition velocity for NINT (see group 9) size-ranges, and these are then averaged to obtain a mean deposition velocity.

For GROUPED SPECIES, the size distribution should be explicitly specified (by the 'species' in the group), and the standard deviation for each should be entered as 0. The model will then use the deposition velocity for the stated mean diameter.

```
      SPECIES        GEOMETRIC MASS MEAN          GEOMETRIC STANDARD
       NAME               DIAMETER                    DEVIATION
                          (microns)                   (microns)
      -------        -------------------          ------------------
!          SO4 =          0.48,                        2.    !
!          NO3 =          0.48,                        2.    !
!       PM0063 =          0.63,                        0.    !
!       PM0100 =          1.00,                        0.    !
!       PM0125 =          1.25,                        0.    !
!       PM0250 =          2.50,                        0.    !
!       PM0600 =          6.00,                        0.    !
!       PM1000 =         10.00,                        0.    !

!END!
```

INPUT GROUP: 9 -- Miscellaneous dry deposition parameters

```
     Reference cuticle resistance (s/cm)
     (RCUTR)                          Default: 30     !  RCUTR = 30.0 !
     Reference ground resistance  (s/cm)
     (RGR)                            Default: 10     !    RGR = 10.0 !
     Reference pollutant reactivity
     (REACTR)                         Default: 8      ! REACTR = 8.0 !

     Number of particle-size intervals used to
     evaluate effective particle deposition velocity
     (NINT)                           Default: 9      !   NINT =  9   !

     Vegetation state in unirrigated areas
     (IVEG)                           Default: 1      !   IVEG =  1   !
        IVEG=1 for active and unstressed vegetation
        IVEG=2 for active and stressed vegetation
        IVEG=3 for inactive vegetation

!END!
```

INPUT GROUP: 10 -- Wet Deposition Parameters

```
                    Scavenging Coefficient -- Units: (sec)**(-1)

   Pollutant        Liquid Precip.        Frozen Precip.
   ---------        --------------        --------------
!       SO2 =          3.0E-05,              0.0E00 !
!       SO4 =          1.0E-04,             3.0E-05 !
!      HNO3 =          6.0E-05,              0.0E00 !
!       NO3 =          1.0E-04,             3.0E-05 !
!    PM0063 =          1.0E-04,             3.0E-05 !
!    PM0100 =          1.0E-04,             3.0E-05 !
!    PM0125 =          1.0E-04,             3.0E-05 !
!    PM0250 =          1.0E-04,             3.0E-05 !
!    PM0600 =          1.0E-04,             3.0E-05 !
!    PM1000 =          1.0E-04,             3.0E-05 !

!END!

-------------------------------------------------------------------------------

INPUT GROUP: 11 -- Chemistry Parameters
---------------

 Ozone data input option (MOZ)      Default: 1            ! MOZ =  1   !
 (Used only if MCHEM = 1, 3, or 4)
    0 = use a monthly background ozone value
    1 = read hourly ozone concentrations from
        the OZONE.DAT data file

 Monthly ozone concentrations
 (Used only if MCHEM = 1, 3, or 4 and
  MOZ = 0 or MOZ = 1 and all hourly O3 data missing)
 (BCKO3) in ppb                     Default: 12*80.
 !  BCKO3 = 12*50. !

 Monthly ammonia concentrations
 (Used only if MCHEM = 1, or 3)
 (BCKNH3) in ppb                    Default: 12*10.
 !  BCKNH3 = 12*0.5 !

 Nighttime SO2 loss rate (RNITE1)
 in percent/hour                    Default: 0.2          ! RNITE1 = .2 !

 Nighttime NOx loss rate (RNITE2)
 in percent/hour                    Default: 2.0          ! RNITE2 = 2.0 !

 Nighttime HNO3 formation rate (RNITE3)
 in percent/hour                    Default: 2.0          ! RNITE3 = 2.0 !

 H2O2 data input option (MH2O2)     Default: 1            ! MH2O2 =  1   !
 (Used only if MAQCHEM = 1)
    0 = use a monthly background H2O2 value
    1 = read hourly H2O2 concentrations from
        the H2O2.DAT data file

 Monthly H2O2 concentrations
 (Used only if MQACHEM = 1 and
  MH2O2 = 0 or MH2O2 = 1 and all hourly H2O2 data missing)
 (BCKH2O2) in ppb                   Default: 12*1.
 !  BCKH2O2 = 12*1 !


---Data for SECONDARY ORGANIC AEROSOL (SOA) Option
 (used only if MCHEM = 4)

 The SOA module uses monthly values of:
      Fine particulate concentration in ug/m^3 (BCKPMF)
      Organic fraction of fine particulate     (OFRAC)
      VOC / NOX ratio (after reaction)         (VCNX)
```

```
     to characterize the air mass when computing
     the formation of SOA from VOC emissions.
     Typical values for several distinct air mass types are:

        Month     1     2     3     4     5     6     7     8     9    10    11    12
                Jan   Feb   Mar   Apr   May   Jun   Jul   Aug   Sep   Oct   Nov   Dec

     Clean Continental
        BCKPMF   1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.
        OFRAC   .15   .15   .20   .20   .20   .20   .20   .20   .20   .20   .20   .15
        VCNX     50.   50.   50.   50.   50.   50.   50.   50.   50.   50.   50.   50.

     Clean Marine (surface)
        BCKPMF   .5    .5    .5    .5    .5    .5    .5    .5    .5    .5    .5    .5
        OFRAC   .25   .25   .30   .30   .30   .30   .30   .30   .30   .30   .30   .25
        VCNX     50.   50.   50.   50.   50.   50.   50.   50.   50.   50.   50.   50.

     Urban - low biogenic (controls present)
        BCKPMF   30.   30.   30.   30.   30.   30.   30.   30.   30.   30.   30.   30.
        OFRAC   .20   .20   .25   .25   .25   .25   .25   .25   .20   .20   .20   .20
        VCNX      4.    4.    4.    4.    4.    4.    4.    4.    4.    4.    4.    4.

     Urban - high biogenic (controls present)
        BCKPMF   60.   60.   60.   60.   60.   60.   60.   60.   60.   60.   60.   60.
        OFRAC   .25   .25   .30   .30   .30   .55   .55   .55   .35   .35   .35   .25
        VCNX     15.   15.   15.   15.   15.   15.   15.   15.   15.   15.   15.   15.

     Regional Plume
        BCKPMF   20.   20.   20.   20.   20.   20.   20.   20.   20.   20.   20.   20.
        OFRAC   .20   .20   .25   .35   .25   .40   .40   .40   .30   .30   .30   .20
        VCNX     15.   15.   15.   15.   15.   15.   15.   15.   15.   15.   15.   15.

     Urban - no controls present
        BCKPMF  100.  100.  100.  100.  100.  100.  100.  100.  100.  100.  100.  100.
        OFRAC   .30   .30   .35   .35   .35   .55   .55   .55   .35   .35   .35   .30
        VCNX      2.    2.    2.    2.    2.    2.    2.    2.    2.    2.    2.    2.

     Default: Clean Continental
     !  BCKPMF = 1.00, 1.00, 1.00, 1.00, 1.00, 1.00, 1.00, 1.00, 1.00, 1.00, 1.00, 1.00 !
     !  OFRAC  = 0.15, 0.15, 0.20, 0.20, 0.20, 0.20, 0.20, 0.20, 0.20, 0.20, 0.20, 0.15 !
     !  VCNX   = 50.00, 50.00, 50.00, 50.00, 50.00, 50.00, 50.00, 50.00, 50.00, 50.00,
50.00 !


!END!


--------------------------------------------------------------------------------


INPUT GROUP: 12 -- Misc. Dispersion and Computational Parameters
---------------

     Horizontal size of puff (m) beyond which
     time-dependent dispersion equations (Heffter)
     are used to determine sigma-y and
     sigma-z (SYTDEP)                          Default: 550.    ! SYTDEP = 5.5E02 !

     Switch for using Heffter equation for sigma z
     as above (0 = Not use Heffter; 1 = use Heffter
     (MHFTSZ)                                  Default: 0       ! MHFTSZ =  0    !

     Stability class used to determine plume
     growth rates for puffs above the boundary
     layer (JSUP)                              Default: 5       ! JSUP =  5    !

     Vertical dispersion constant for stable
     conditions (k1 in Eqn. 2.7-3)  (CONK1)    Default: 0.01    ! CONK1 = .01 !

     Vertical dispersion constant for neutral/
     unstable conditions (k2 in Eqn. 2.7-4)
```

```
(CONK2)                                    Default: 0.1     ! CONK2 = .1 !

Factor for determining Transition-point from
Schulman-Scire to Huber-Snyder Building Downwash
scheme (SS used for Hs < Hb + TBD * HL)
(TBD)                                      Default: 0.5     ! TBD = .5 !
   TBD < 0   ==> always use Huber-Snyder
   TBD = 1.5 ==> always use Schulman-Scire
   TBD = 0.5 ==> ISC Transition-point

Range of land use categories for which
urban dispersion is assumed
(IURB1, IURB2)                             Default: 10      ! IURB1 =  10  !
                                                    19      ! IURB2 =  19  !

Site characterization parameters for single-point Met data files ---------
(needed for METFM = 2,3,4)

   Land use category for modeling domain
   (ILANDUIN)                              Default: 20      ! ILANDUIN =  20  !

   Roughness length (m) for modeling domain
   (Z0IN)                                  Default: 0.25    ! Z0IN = .25 !

   Leaf area index for modeling domain
   (XLAIIN)                                Default: 3.0     ! XLAIIN = 3.0 !

   Elevation above sea level (m)
   (ELEVIN)                                Default: 0.0     ! ELEVIN = .0 !

   Latitude (degrees) for met location
   (XLATIN)                                Default: -999.   ! XLATIN = -999.0 !

   Longitude (degrees) for met location
   (XLONIN)                                Default: -999.   ! XLONIN = -999.0 !

Specialized information for interpreting single-point Met data files -----

   Anemometer height (m) (Used only if METFM = 2,3)
   (ANEMHT)                                Default: 10.     ! ANEMHT = 10.0 !

   Form of lateral turbulance data in PROFILE.DAT file
   (Used only if METFM = 4 or MTURBVW = 1 or 3)
   (ISIGMAV)                               Default: 1       ! ISIGMAV =  1  !
       0 = read sigma-theta
       1 = read sigma-v

   Choice of mixing heights (Used only if METFM = 4)
   (IMIXCTDM)                              Default: 0       ! IMIXCTDM =  0  !
       0 = read PREDICTED mixing heights
       1 = read OBSERVED mixing heights

Maximum length of a slug (met. grid units)
(XMXLEN)                                   Default: 1.0     ! XMXLEN = 1.0 !

Maximum travel distance of a puff/slug (in
grid units) during one sampling step
(XSAMLEN)                                  Default: 1.0     ! XSAMLEN = 1.0 !

Maximum Number of slugs/puffs release from
one source during one time step
(MXNEW)                                    Default: 99      ! MXNEW =  99   !

Maximum Number of sampling steps for
one puff/slug during one time step
(MXSAM)                                    Default: 99      ! MXSAM =  99   !

Number of iterations used when computing
the transport wind for a sampling step
that includes gradual rise (for CALMET
and PROFILE winds)
```

```
(NCOUNT)                                        Default: 2      ! NCOUNT =  2   !

Minimum sigma y for a new puff/slug (m)
(SYMIN)                                         Default: 1.0    ! SYMIN = 1.0  !

Minimum sigma z for a new puff/slug (m)
(SZMIN)                                         Default: 1.0    ! SZMIN = 1.0  !

Default minimum turbulence velocities sigma-v and sigma-w
for each stability class over land and over water (m/s)
(SVMIN(12) and SWMIN(12))

                 ---------- LAND ----------        --------- WATER ----------
   Stab Class :  A    B    C    D    E    F         A    B    C    D    E    F
                 ---  ---  ---  ---  ---  ---       ---  ---  ---  ---  ---  ---
Default SVMIN : .50, .50, .50, .50, .50, .50,      .37, .37, .37, .37, .37, .37
Default SWMIN : .20, .12, .08, .06, .03, .016,     .20, .12, .08, .06, .03, .016

! SVMIN = 0.500, 0.500, 0.500, 0.500, 0.500, 0.500, 0.370, 0.370, 0.370, 0.370, 0.370, 0.370!
! SWMIN = 0.200, 0.120, 0.080, 0.060, 0.030, 0.016, 0.200, 0.120, 0.080, 0.060, 0.030, 0.016!

Divergence criterion for dw/dz across puff
used to initiate adjustment for horizontal
convergence (1/s)
Partial adjustment starts at CDIV(1), and
full adjustment is reached at CDIV(2)
(CDIV(2))                                       Default: 0.0,0.0  ! CDIV = .0, .0 !

Minimum wind speed (m/s) allowed for
non-calm conditions. Also used as minimum
speed returned when using power-law
extrapolation toward surface
(WSCALM)                                        Default: 0.5    ! WSCALM = .5 !

Maximum mixing height (m)
(XMAXZI)                                        Default: 3000.  ! XMAXZI = 3000.0 !

Minimum mixing height (m)
(XMINZI)                                        Default: 50.    ! XMINZI = 50.0 !

Default wind speed classes --
5 upper bounds (m/s) are entered;
the 6th class has no upper limit
(WSCAT(5))                          Default    :
                                    ISC RURAL  : 1.54, 3.09, 5.14, 8.23, 10.8 (10.8+)

                                Wind Speed Class :  1     2     3     4     5
                                                    ---   ---   ---   ---   ---
                                  ! WSCAT = 1.54, 3.09, 5.14, 8.23, 10.80 !

Default wind speed profile power-law
exponents for stabilities 1-6
(PLXO(6))                           Default    : ISC RURAL values
                                    ISC RURAL  : .07, .07, .10, .15, .35, .55
                                    ISC URBAN  : .15, .15, .20, .25, .30, .30

                                Stability Class :  A     B     C     D     E     F
                                                   ---   ---   ---   ---   ---   ---
                                  ! PLXO = 0.07, 0.07, 0.10, 0.15, 0.35, 0.55 !

Default potential temperature gradient
for stable classes E, F (degK/m)
(PTGO(2))                           Default: 0.020, 0.035
                                      ! PTGO = 0.020,   0.035 !

Default plume path coefficients for
each stability class (used when option
for partial plume height terrain adjustment
is selected -- MCTADJ=3)
(PPC(6))                        Stability Class :  A     B     C     D     E     F
                                   Default  PPC :  .50,  .50,  .50,  .50,  .35,  .35
```

```
                                                  ---   ---   ---   ---   ---   ---
                                  !  PPC = 0.50,  0.50,  0.50,  0.50,  0.35,  0.35 !

Slug-to-puff transition criterion factor
equal to sigma-y/length of slug
(SL2PF)                           Default: 10.        ! SL2PF = 10.0 !

Puff-splitting control variables -----------------------

  VERTICAL SPLIT
  --------------

  Number of puffs that result every time a puff
  is split - nsplit=2 means that 1 puff splits
  into 2
  (NSPLIT)                        Default:   3        ! NSPLIT =  3  !

  Time(s) of a day when split puffs are eligible to
  be split once again; this is typically set once
  per day, around sunset before nocturnal shear develops.
  24 values: 0 is midnight (00:00) and 23 is 11 PM (23:00)
  0=do not re-split    1=eligible for re-split
  (IRESPLIT(24))                  Default:  Hour 17 = 1
  !  IRESPLIT = 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0 !

  Split is allowed only if last hour's mixing
  height (m) exceeds a minimum value
  (ZISPLIT)                       Default: 100.       ! ZISPLIT = 100.0 !

  Split is allowed only if ratio of last hour's
  mixing ht to the maximum mixing ht experienced
  by the puff is less than a maximum value (this
  postpones a split until a nocturnal layer develops)
  (ROLDMAX)                       Default: 0.25       ! ROLDMAX = 0.25 !


  HORIZONTAL SPLIT
  ----------------

  Number of puffs that result every time a puff
  is split - nsplith=5 means that 1 puff splits
  into 5
  (NSPLITH)                       Default:   5        ! NSPLITH =  5  !

  Minimum sigma-y (Grid Cells Units) of puff
  before it may be split
  (SYSPLITH)                      Default:  1.0       ! SYSPLITH = 1.0 !

  Minimum puff elongation rate (SYSPLITH/hr) due to
  wind shear, before it may be split
  (SHSPLITH)                      Default:  2.        ! SHSPLITH = 2.0 !

  Minimum concentration (g/m^3) of each
  species in puff before it may be split
  Enter array of NSPEC values; if a single value is
  entered, it will be used for ALL species
  (CNSPLITH)                      Default:  1.0E-07   ! CNSPLITH = 1.0E-07 !

Integration control variables -----------------------

  Fractional convergence criterion for numerical SLUG
  sampling integration
  (EPSSLUG)                       Default:   1.0e-04  ! EPSSLUG = 1.0E-04 !

  Fractional convergence criterion for numerical AREA
  source integration
  (EPSAREA)                       Default:   1.0e-06  ! EPSAREA = 1.0E-06 !

  Trajectory step-length (m) used for numerical rise
  integration
  (DSRISE)                        Default:   1.0      ! DSRISE = 1.0 !
```

```
!END!

-------------------------------------------------------------------------------

INPUT GROUPS: 13a, 13b, 13c, 13d -- Point source parameters
---------------------------------

---------------
Subgroup (13a)
---------------

     Number of point sources with
     parameters provided below       (NPT1)  No default  !  NPT1 =  1 !

     Units used for point source
     emissions below                 (IPTU)  Default: 1  !  IPTU =  3  !
           1 =        g/s
           2 =       kg/hr
           3 =       lb/hr
           4 =     tons/yr
           5 =     Odour Unit * m**3/s  (vol. flux of odour compound)
           6 =     Odour Unit * m**3/min
           7 =     metric tons/yr

     Number of source-species
     combinations with variable
     emissions scaling factors
     provided below in (13d)         (NSPT1) Default: 0  !  NSPT1 = 0  !

     Number of point sources with
     variable emission parameters
     provided in external file       (NPT2)  No default  !  NPT2 =  0  !

     (If NPT2 > 0, these point
     source emissions are read from
     the file: PTEMARB.DAT)

!END!

---------------
Subgroup (13b)
---------------
                                        a
          POINT SOURCE: CONSTANT DATA
          ---------------------------

                                                                                  b          c
  Source       X          Y        Stack     Base      Stack     Exit   Exit     Bldg.   Emission
   No.      Coordinate Coordinate Height Elevation Diameter  Vel.  Temp.    Dwash    Rates
              (km)       (km)       (m)       (m)       (m)   (m/s) (deg. K)
  ------   ---------- ---------- ------  ------    -------- ----- -------- ------ --------
**************   EMISSION RATES ARE IN LB/HR    ************************
 1  ! SRCNAM = UNIT1&2!
 1  ! X = 1600.00, -1300.00, 150.0, 10.0, 15.0, 15.0, 330, 0.0, 10.0, 10.0, 10.0, 0.0, 0.0,
   10.0, 10.0, 10.0, 10.0, 10.0, 10.0, 10.0 !
 !END!

--------

    a
     Data for each source are treated as a separate input subgroup
     and therefore must end with an input group terminator.

     SRCNAM  is a 12-character name for a source
             (No default)
     X       is an array holding the source data listed by the column headings
             (No default)
     SIGYZI  is an array holding the initial sigma-y and sigma-z (m)
             (Default: 0.,0.)
```

FMFAC is a vertical momentum flux factor (0. or 1.0) used to represent the effect of rain-caps or other physical configurations that reduce momentum rise associated with the actual exit velocity. (Default: 1.0 -- full momentum used)

[b]
0. = No building downwash modeled, 1. = downwash modeled
NOTE: must be entered as a REAL number (i.e., with decimal point)

[c]
An emission rate must be entered for every pollutant modeled. Enter emission rate of zero for secondary pollutants that are modeled, but not emitted. Units are specified by IPTU (e.g. 1 for g/s).

Subgroup (13c)

BUILDING DIMENSION DATA FOR SOURCES SUBJECT TO DOWNWASH

Source No.	Effective building width and height (in meters) every 10 degrees[a]

---

[a]
Each pair of width and height values is treated as a separate input subgroup and therefore must end with an input group terminator.

Subgroup (13d)

POINT SOURCE: VARIABLE EMISSIONS DATA[a]

Use this subgroup to describe temporal variations in the emission rates given in 13b. Factors entered multiply the rates in 13b. Skip sources here that have constant emissions. For more elaborate variation in source parameters, use PTEMARB.DAT and NPT2 > 0.

IVARY determines the type of variation, and is source-specific:
(IVARY) Default: 0

0 =	Constant	
1 =	Diurnal cycle	(24 scaling factors: hours 1-24)
2 =	Monthly cycle	(12 scaling factors: months 1-12)
3 =	Hour & Season	(4 groups of 24 hourly scaling factors, where first group is DEC-JAN-FEB)
4 =	Speed & Stab.	(6 groups of 6 scaling factors, where first group is Stability Class A, and the speed classes have upper bounds (m/s) defined in Group 12
5 =	Temperature	(12 scaling factors, where temperature classes have upper bounds (C) of: 0, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 50+)

---

[a]
Data for each species are treated as a separate input subgroup and therefore must end with an input group terminator.

INPUT GROUPS: 14a, 14b, 14c, 14d -- Area source parameters

Subgroup (14a)

Number of polygon area sources with parameters specified below (NAR1) — No default ! NAR1 = 0 !

Units used for area source emissions below (IARU) — Default: 1 ! IARU = 1 !

1 = g/m**2/s
2 = kg/m**2/hr
3 = lb/m**2/hr
4 = tons/m**2/yr
5 = Odour Unit * m/s (vol. flux/m**2 of odour compound)
6 = Odour Unit * m/min
7 = metric tons/m**2/yr

Number of source-species combinations with variable emissions scaling factors provided below in (14d) (NSAR1) Default: 0 ! NSAR1 = 0 !

Number of buoyant polygon area sources with variable location and emission parameters (NAR2) — No default ! NAR2 = 0 !
(If NAR2 > 0, ALL parameter data for these sources are read from the file: BAEMARB.DAT)

!END!

Subgroup (14b)

AREA SOURCE: CONSTANT DATA [a]

Source No.	Effect. Height (m)	Base Elevation (m)	Initial Sigma z (m)	Emission Rates [b]

---

[a] Data for each source are treated as a separate input subgroup and therefore must end with an input group terminator.

[b] An emission rate must be entered for every pollutant modeled. Enter emission rate of zero for secondary pollutants that are modeled, but not emitted. Units are specified by IARU (e.g. 1 for g/m**2/s).

Subgroup (14c)

COORDINATES (UTM-km) FOR EACH VERTEX(4) OF EACH POLYGON

Source No. [a]	Ordered list of X followed by list of Y, grouped by source

---

[a] Data for each source are treated as a separate input subgroup and therefore must end with an input group terminator.

Subgroup (14d)

AREA SOURCE: VARIABLE EMISSIONS DATA [a]

Use this subgroup to describe temporal variations in the emission rates given in 14b. Factors entered multiply the rates in 14b. Skip sources here that have constant emissions. For more elaborate variation in source parameters, use BAEMARB.DAT and NAR2 > 0.

IVARY determines the type of variation, and is source-specific:

(IVARY) Default: 0

0 =	Constant	
1 =	Diurnal cycle	(24 scaling factors: hours 1-24)
2 =	Monthly cycle	(12 scaling factors: months 1-12)
3 =	Hour & Season	(4 groups of 24 hourly scaling factors, where first group is DEC-JAN-FEB)
4 =	Speed & Stab.	(6 groups of 6 scaling factors, where first group is Stability Class A, and the speed classes have upper bounds (m/s) defined in Group 12
5 =	Temperature	(12 scaling factors, where temperature classes have upper bounds (C) of: 0, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 50+)

---

[a] Data for each species are treated as a separate input subgroup and therefore must end with an input group terminator.

INPUT GROUPS: 15a, 15b, 15c -- Line source parameters

Subgroup (15a)

Number of buoyant line sources with variable location and emission parameters (NLN2) No default ! NLN2 = 0 !

(If NLN2 > 0, ALL parameter data for these sources are read from the file: LNEMARB.DAT)

Number of buoyant line sources (NLINES) No default ! NLINES = 0 !

Units used for line source emissions below (ILNU) Default: 1 ! ILNU = 1 !

1 =	g/s
2 =	kg/hr
3 =	lb/hr
4 =	tons/yr
5 =	Odour Unit * m**3/s (vol. flux of odour compound)
6 =	Odour Unit * m**3/min
7 =	metric tons/yr

Number of source-species combinations with variable emissions scaling factors provided below in (15c) (NSLN1) Default: 0 ! NSLN1 = 0 !

Maximum number of segments used to model each line (MXNSEG) — Default: 7 ! MXNSEG = 7 !

The following variables are required only if NLINES > 0. They are used in the buoyant line source plume rise calculations.

Number of distances at which transitional rise is computed	Default: 6	! NLRISE = 6 !
Average building length (XL)	No default (in meters)	! XL = .0 !
Average building height (HBL)	No default (in meters)	! HBL = .0 !
Average building width (WBL)	No default (in meters)	! WBL = .0 !
Average line source width (WML)	No default (in meters)	! WML = .0 !
Average separation between buildings (DXL)	No default (in meters)	! DXL = .0 !
Average buoyancy parameter (FPRIMEL)	No default (in m**4/s**3)	! FPRIMEL = .0 !

!END!

Subgroup (15b)

BUOYANT LINE SOURCE: CONSTANT DATA

---

[a]

Source No.	Beg. X Coordinate (km)	Beg. Y Coordinate (km)	End. X Coordinate (km)	End. Y Coordinate (km)	Release Height (m)	Base Elevation (m)	Emission Rates

---

[a] Data for each source are treated as a separate input subgroup and therefore must end with an input group terminator.

[b] An emission rate must be entered for every pollutant modeled. Enter emission rate of zero for secondary pollutants that are modeled, but not emitted. Units are specified by ILNTU (e.g. 1 for g/s).

Subgroup (15c)

BUOYANT LINE SOURCE: VARIABLE EMISSIONS DATA [a]

Use this subgroup to describe temporal variations in the emission rates given in 15b. Factors entered multiply the rates in 15b. Skip sources here that have constant emissions.

IVARY determines the type of variation, and is source-specific:
(IVARY) Default: 0

- 0 = Constant
- 1 = Diurnal cycle (24 scaling factors: hours 1-24)
- 2 = Monthly cycle (12 scaling factors: months 1-12)
- 3 = Hour & Season (4 groups of 24 hourly scaling factors, where first group is DEC-JAN-FEB)

4 = Speed & Stab. (6 groups of 6 scaling factors, where first group is Stability Class A, and the speed classes have upper bounds (m/s) defined in Group 12

5 = Temperature (12 scaling factors, where temperature classes have upper bounds (C) of: 0, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 50+)

---

[a] Data for each species are treated as a separate input subgroup and therefore must end with an input group terminator.

INPUT GROUPS: 16a, 16b, 16c -- Volume source parameters

Subgroup (16a)

Number of volume sources with parameters provided in 16b,c (NVL1) No default ! NVL1 = 0 !

Units used for volume source emissions below in 16b (IVLU) Default: 1 ! IVLU = 1 !

1 = g/s
2 = kg/hr
3 = lb/hr
4 = tons/yr
5 = Odour Unit * m**3/s (vol. flux of odour compound)
6 = Odour Unit * m**3/min
7 = metric tons/yr

Number of source-species combinations with variable emissions scaling factors provided below in (16c) (NSVL1) Default: 0 ! NSVL1 = 0 !

Number of volume sources with variable location and emission parameters (NVL2) No default ! NVL2 = 0 !

(If NVL2 > 0, ALL parameter data for these sources are read from the VOLEMARB.DAT file(s))

!END!

Subgroup (16b)

VOLUME SOURCE: CONSTANT DATA [a]

X UTM Coordinate (km)	Y UTM Coordinate (km)	Effect. Height (m)	Base Elevation (m)	Initial Sigma y (m)	Initial Sigma z (m)	Emission Rates [b]

---

[a] Data for each source are treated as a separate input subgroup and therefore must end with an input group terminator.

b
An emission rate must be entered for every pollutant modeled.
Enter emission rate of zero for secondary pollutants that are
modeled, but not emitted. Units are specified by IVLU
(e.g. 1 for g/s).

Subgroup (16c)
---

a
VOLUME SOURCE: VARIABLE EMISSIONS DATA

Use this subgroup to describe temporal variations in the emission
rates given in 16b. Factors entered multiply the rates in 16b.
Skip sources here that have constant emissions. For more elaborate
variation in source parameters, use VOLEMARB.DAT and NVL2 > 0.

IVARY determines the type of variation, and is source-specific:
(IVARY) Default: 0

0 =	Constant	
1 =	Diurnal cycle	(24 scaling factors: hours 1-24)
2 =	Monthly cycle	(12 scaling factors: months 1-12)
3 =	Hour & Season	(4 groups of 24 hourly scaling factors, where first group is DEC-JAN-FEB)
4 =	Speed & Stab.	(6 groups of 6 scaling factors, where first group is Stability Class A, and the speed classes have upper bounds (m/s) defined in Group 12
5 =	Temperature	(12 scaling factors, where temperature classes have upper bounds (C) of: 0, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 50+)

---
a
Data for each species are treated as a separate input subgroup
and therefore must end with an input group terminator.

INPUT GROUPS: 17a & 17b -- Non-gridded (discrete) receptor information
---

Subgroup (17a)

Number of non-gridded receptors (NREC) No default ! NREC = 251 !

!END!

Subgroup (17b)
---

a
NON-GRIDDED (DISCRETE) RECEPTOR DATA

Receptor No.	X Coordinate (km)	Y Coordinate (km)	Ground Elevation (m)	Height b Above Ground (m)	
RECEPTORS OBTAINED FROM THE NPS/FWS EXTRACTION PROGRAM					
ALL RECEPTORS ARE LCC (KM)					
251 RECEPTORS INCLUDES ALL NPS ENP BOUNARY RECEPTORS WITH LESS RESOLUTION IN THE INTERIOR					
1 ! X =	1660.128,	-1542.380,	0.000,	0.000!	!END!

```
  2 ! X =    1654.541,   -1540.491,       0.000,       0.000!   !END!
  3 ! X =    1657.082,   -1540.035,       0.000,       0.000!   !END!
  4 ! X =    1659.623,   -1539.579,       0.000,       0.000!   !END!
  5 ! X =    1662.165,   -1539.122,       0.000,       0.000!   !END!
  6 ! X =    1664.706,   -1538.665,       0.000,       0.000!   !END!
  7 ! X =    1651.498,   -1538.144,       0.000,       0.000!   !END!
  8 ! X =    1654.039,   -1537.689,       0.000,       0.000!   !END!
  9 ! X =    1664.202,   -1535.864,       0.000,       0.000!   !END!
 10 ! X =    1666.741,   -1535.406,       0.000,       0.000!   !END!
 11 ! X =    1669.281,   -1534.947,       0.000,       0.000!   !END!
 12 ! X =    1648.457,   -1535.797,       0.000,       0.000!   !END!
 13 ! X =    1650.997,   -1535.343,       0.000,       0.000!   !END!
 14 ! X =    1668.775,   -1532.146,       0.000,       0.000!   !END!
 15 ! X =    1671.314,   -1531.687,       0.000,       0.000!   !END!
 16 ! X =    1673.854,   -1531.227,       0.000,       0.000!   !END!
 17 ! X =    1645.417,   -1533.449,       0.000,       0.000!   !END!
 18 ! X =    1647.957,   -1532.996,       0.000,       0.000!   !END!
 19 ! X =    1660.653,   -1530.720,       0.000,       0.000!   !END!
 20 ! X =    1673.346,   -1528.428,       0.000,       0.000!   !END!
 21 ! X =    1675.884,   -1527.967,       0.000,       0.000!   !END!
 22 ! X =    1642.380,   -1531.100,       0.000,       0.000!   !END!
 23 ! X =    1644.919,   -1530.648,       0.000,       0.000!   !END!
 24 ! X =    1675.375,   -1525.168,       0.000,       0.000!   !END!
 25 ! X =    1677.913,   -1524.706,       0.000,       0.000!   !END!
 26 ! X =    1680.450,   -1524.244,       0.000,       0.000!   !END!
 27 ! X =    1639.343,   -1528.751,       0.000,       0.000!   !END!
 28 ! X =    1641.881,   -1528.299,       0.000,       0.000!   !END!
 29 ! X =    1679.940,   -1521.445,       0.000,       0.000!   !END!
 30 ! X =    1682.476,   -1520.983,       0.000,       0.000!   !END!
 31 ! X =    1685.013,   -1520.519,       0.000,       0.000!   !END!
 32 ! X =    1636.308,   -1526.400,       0.000,       0.000!   !END!
 33 ! X =    1638.845,   -1525.949,       0.000,       0.000!   !END!
 34 ! X =    1646.458,   -1524.594,       0.000,       0.000!   !END!
 35 ! X =    1659.142,   -1522.321,       0.000,       0.000!   !END!
 36 ! X =    1666.751,   -1520.949,       0.000,       0.000!   !END!
 37 ! X =    1674.359,   -1519.569,       0.000,       0.000!   !END!
 38 ! X =    1684.501,   -1517.721,       0.000,       0.000!   !END!
 39 ! X =    1687.036,   -1517.258,       0.000,       0.000!   !END!
 40 ! X =    1689.571,   -1516.793,       0.000,       0.000!   !END!
 41 ! X =    1635.811,   -1523.600,       0.000,       0.000!   !END!
 42 ! X =    1689.059,   -1513.995,       0.000,       0.000!   !END!
 43 ! X =    1632.778,   -1521.249,       0.000,       0.000!   !END!
 44 ! X =    1635.314,   -1520.800,       0.000,       0.000!   !END!
 45 ! X =    1688.546,   -1511.198,       0.000,       0.000!   !END!
 46 ! X =    1691.079,   -1510.734,       1.000,       0.000!   !END!
 47 ! X =    1629.746,   -1518.898,       0.000,       0.000!   !END!
 48 ! X =    1632.282,   -1518.448,       0.000,       0.000!   !END!
 49 ! X =    1644.958,   -1516.195,       0.000,       0.000!   !END!
 50 ! X =    1657.631,   -1513.923,       0.000,       0.000!   !END!
 51 ! X =    1665.233,   -1512.552,       0.000,       0.000!   !END!
 52 ! X =    1672.834,   -1511.175,       1.000,       0.000!   !END!
 53 ! X =    1680.434,   -1509.791,       0.000,       0.000!   !END!
 54 ! X =    1688.033,   -1508.401,       0.000,       0.000!   !END!
 55 ! X =    1690.566,   -1507.936,       0.000,       0.000!   !END!
 56 ! X =    1693.098,   -1507.471,       0.000,       0.000!   !END!
 57 ! X =    1626.716,   -1516.546,       0.000,       0.000!   !END!
 58 ! X =    1629.251,   -1516.098,       0.000,       0.000!   !END!
 59 ! X =    1692.584,   -1504.675,       0.000,       0.000!   !END!
 60 ! X =    1695.115,   -1504.208,       0.000,       0.000!   !END!
 61 ! X =    1623.688,   -1514.192,       0.000,       0.000!   !END!
 62 ! X =    1626.223,   -1513.746,       0.000,       0.000!   !END!
 63 ! X =    1694.600,   -1501.412,       1.000,       0.000!   !END!
 64 ! X =    1697.131,   -1500.946,       0.000,       0.000!   !END!
 65 ! X =    1620.661,   -1511.839,       0.000,       0.000!   !END!
 66 ! X =    1623.194,   -1511.393,       0.000,       0.000!   !END!
 67 ! X =    1630.795,   -1510.050,       1.000,       0.000!   !END!
 68 ! X =    1643.459,   -1507.798,       1.000,       0.000!   !END!
 69 ! X =    1656.121,   -1505.529,       1.000,       0.000!   !END!
 70 ! X =    1663.715,   -1504.159,       1.000,       0.000!   !END!
 71 ! X =    1671.309,   -1502.782,       1.000,       0.000!   !END!
 72 ! X =    1678.903,   -1501.400,       0.000,       0.000!   !END!
```

```
 73 ! X =    1686.494,   -1500.012,        0.000,        0.000!   !END!
 74 ! X =    1694.085,   -1498.617,        1.000,        0.000!   !END!
 75 ! X =    1696.615,   -1498.150,        0.000,        0.000!   !END!
 76 ! X =    1699.144,   -1497.683,        0.000,        0.000!   !END!
 77 ! X =    1620.169,   -1509.039,        0.000,        0.000!   !END!
 78 ! X =    1693.571,   -1495.821,        0.000,        0.000!   !END!
 79 ! X =    1617.144,   -1506.685,        0.000,        0.000!   !END!
 80 ! X =    1619.676,   -1506.240,        0.000,        0.000!   !END!
 81 ! X =    1693.055,   -1493.025,        0.000,        0.000!   !END!
 82 ! X =    1616.652,   -1503.886,        0.000,        0.000!   !END!
 83 ! X =    1619.184,   -1503.441,        0.000,        0.000!   !END!
 84 ! X =    1629.308,   -1501.653,        1.000,        0.000!   !END!
 85 ! X =    1641.961,   -1499.404,        0.000,        0.000!   !END!
 86 ! X =    1654.611,   -1497.136,        1.000,        0.000!   !END!
 87 ! X =    1662.198,   -1495.768,        1.000,        0.000!   !END!
 88 ! X =    1669.786,   -1494.393,        1.000,        0.000!   !END!
 89 ! X =    1677.372,   -1493.012,        1.000,        0.000!   !END!
 90 ! X =    1684.957,   -1491.624,        1.000,        0.000!   !END!
 91 ! X =    1692.541,   -1490.231,        1.000,        0.000!   !END!
 92 ! X =    1618.691,   -1500.642,        0.000,        0.000!   !END!
 93 ! X =    1676.862,   -1490.216,        1.000,        0.000!   !END!
 94 ! X =    1679.389,   -1489.755,        1.000,        0.000!   !END!
 95 ! X =    1681.917,   -1489.293,        1.000,        0.000!   !END!
 96 ! X =    1684.444,   -1488.829,        1.000,        0.000!   !END!
 97 ! X =    1686.971,   -1488.366,        1.000,        0.000!   !END!
 98 ! X =    1689.498,   -1487.901,        1.000,        0.000!   !END!
 99 ! X =    1692.025,   -1487.436,        1.000,        0.000!   !END!
100 ! X =    1618.199,   -1497.844,        0.000,        0.000!   !END!
101 ! X =    1676.351,   -1487.422,        1.000,        0.000!   !END!
102 ! X =    1617.706,   -1495.046,        0.000,        0.000!   !END!
103 ! X =    1627.821,   -1493.260,        0.000,        0.000!   !END!
104 ! X =    1640.462,   -1491.013,        1.000,        0.000!   !END!
105 ! X =    1653.101,   -1488.747,        1.000,        0.000!   !END!
106 ! X =    1660.682,   -1487.379,        1.000,        0.000!   !END!
107 ! X =    1668.262,   -1486.006,        1.000,        0.000!   !END!
108 ! X =    1675.841,   -1484.626,        1.000,        0.000!   !END!
109 ! X =    1617.214,   -1492.248,        0.000,        0.000!   !END!
110 ! X =    1675.332,   -1481.831,        1.000,        0.000!   !END!
111 ! X =    1616.721,   -1489.450,        0.000,        0.000!   !END!
112 ! X =    1674.821,   -1479.037,        1.000,        0.000!   !END!
113 ! X =    1616.229,   -1486.653,        0.000,        0.000!   !END!
114 ! X =    1626.335,   -1484.868,        1.000,        0.000!   !END!
115 ! X =    1638.965,   -1482.623,        1.000,        0.000!   !END!
116 ! X =    1651.591,   -1480.360,        1.000,        0.000!   !END!
117 ! X =    1659.166,   -1478.994,        1.000,        0.000!   !END!
118 ! X =    1666.739,   -1477.621,        1.000,        0.000!   !END!
119 ! X =    1674.312,   -1476.243,        1.000,        0.000!   !END!
120 ! X =    1615.737,   -1483.856,        0.000,        0.000!   !END!
121 ! X =    1673.801,   -1473.449,        1.000,        0.000!   !END!
122 ! X =    1612.719,   -1481.503,        0.000,        0.000!   !END!
123 ! X =    1615.245,   -1481.059,        0.000,        0.000!   !END!
124 ! X =    1673.292,   -1470.655,        1.000,        0.000!   !END!
125 ! X =    1612.228,   -1478.706,        0.000,        0.000!   !END!
126 ! X =    1624.849,   -1476.480,        1.000,        0.000!   !END!
127 ! X =    1637.468,   -1474.236,        1.000,        0.000!   !END!
128 ! X =    1650.082,   -1471.975,        1.000,        0.000!   !END!
129 ! X =    1657.650,   -1470.610,        1.000,        0.000!   !END!
130 ! X =    1665.217,   -1469.239,        1.000,        0.000!   !END!
131 ! X =    1672.782,   -1467.862,        1.000,        0.000!   !END!
132 ! X =    1609.213,   -1476.353,        0.000,        0.000!   !END!
133 ! X =    1611.737,   -1475.909,        1.000,        0.000!   !END!
134 ! X =    1672.272,   -1465.068,        1.000,        0.000!   !END!
135 ! X =    1674.793,   -1464.608,        1.000,        0.000!   !END!
136 ! X =    1608.723,   -1473.556,        0.000,        0.000!   !END!
137 ! X =    1674.283,   -1461.815,        1.000,        0.000!   !END!
138 ! X =    1605.710,   -1471.203,        0.000,        0.000!   !END!
139 ! X =    1608.232,   -1470.761,        0.000,        0.000!   !END!
140 ! X =    1615.798,   -1469.430,        1.000,        0.000!   !END!
141 ! X =    1623.364,   -1468.093,        0.000,        0.000!   !END!
142 ! X =    1635.970,   -1465.852,        1.000,        0.000!   !END!
143 ! X =    1648.574,   -1463.593,        1.000,        0.000!   !END!
```

```
144 ! X =    1656.135,   -1462.229,        1.000,        0.000!   !END!
145 ! X =    1663.694,   -1460.859,        1.000,        0.000!   !END!
146 ! X =    1668.733,   -1459.943,        1.000,        0.000!   !END!
147 ! X =    1673.772,   -1459.023,        1.000,        0.000!   !END!
148 ! X =    1602.698,   -1468.848,        0.000,        0.000!   !END!
149 ! X =    1605.220,   -1468.407,        0.000,        0.000!   !END!
150 ! X =    1673.262,   -1456.231,        1.000,        0.000!   !END!
151 ! X =    1602.210,   -1466.052,        0.000,        0.000!   !END!
152 ! X =    1622.374,   -1462.504,        1.000,        0.000!   !END!
153 ! X =    1624.894,   -1462.057,        1.000,        0.000!   !END!
154 ! X =    1627.414,   -1461.610,        1.000,        0.000!   !END!
155 ! X =    1629.934,   -1461.162,        1.000,        0.000!   !END!
156 ! X =    1632.454,   -1460.713,        1.000,        0.000!   !END!
157 ! X =    1634.973,   -1460.264,        1.000,        0.000!   !END!
158 ! X =    1637.492,   -1459.813,        1.000,        0.000!   !END!
159 ! X =    1640.012,   -1459.363,        1.000,        0.000!   !END!
160 ! X =    1642.531,   -1458.911,        1.000,        0.000!   !END!
161 ! X =    1645.050,   -1458.459,        1.000,        0.000!   !END!
162 ! X =    1672.751,   -1453.439,        1.000,        0.000!   !END!
163 ! X =    1675.269,   -1452.979,        1.000,        0.000!   !END!
164 ! X =    1599.201,   -1463.697,        0.000,        0.000!   !END!
165 ! X =    1601.721,   -1463.257,        0.000,        0.000!   !END!
166 ! X =    1611.801,   -1461.488,        1.000,        0.000!   !END!
167 ! X =    1621.879,   -1459.710,        1.000,        0.000!   !END!
168 ! X =    1644.548,   -1455.665,        1.000,        0.000!   !END!
169 ! X =    1647.067,   -1455.213,        1.000,        0.000!   !END!
170 ! X =    1654.620,   -1453.851,        1.000,        0.000!   !END!
171 ! X =    1662.173,   -1452.482,        1.000,        0.000!   !END!
172 ! X =    1667.207,   -1451.566,        1.000,        0.000!   !END!
173 ! X =    1672.241,   -1450.648,        1.000,        0.000!   !END!
174 ! X =    1596.193,   -1461.341,        0.000,        0.000!   !END!
175 ! X =    1598.713,   -1460.902,        0.000,        0.000!   !END!
176 ! X =    1618.866,   -1457.362,        1.000,        0.000!   !END!
177 ! X =    1621.384,   -1456.915,        1.000,        0.000!   !END!
178 ! X =    1644.047,   -1452.873,        1.000,        0.000!   !END!
179 ! X =    1671.731,   -1447.856,        1.000,        0.000!   !END!
180 ! X =    1674.247,   -1447.396,        1.000,        0.000!   !END!
181 ! X =    1676.763,   -1446.935,        1.000,        0.000!   !END!
182 ! X =    1593.187,   -1458.984,        0.000,        0.000!   !END!
183 ! X =    1595.705,   -1458.546,        0.000,        0.000!   !END!
184 ! X =    1603.263,   -1457.226,        1.000,        0.000!   !END!
185 ! X =    1615.853,   -1455.012,        1.000,        0.000!   !END!
186 ! X =    1618.372,   -1454.567,        1.000,        0.000!   !END!
187 ! X =    1643.545,   -1450.081,        1.000,        0.000!   !END!
188 ! X =    1676.252,   -1444.144,        1.000,        0.000!   !END!
189 ! X =    1590.182,   -1456.627,        0.000,        0.000!   !END!
190 ! X =    1592.700,   -1456.189,        0.000,        0.000!   !END!
191 ! X =    1615.361,   -1452.218,        1.000,        0.000!   !END!
192 ! X =    1643.043,   -1447.288,        1.000,        0.000!   !END!
193 ! X =    1645.559,   -1446.835,        1.000,        0.000!   !END!
194 ! X =    1653.106,   -1445.475,        1.000,        0.000!   !END!
195 ! X =    1660.652,   -1444.107,        1.000,        0.000!   !END!
196 ! X =    1665.682,   -1443.192,        1.000,        0.000!   !END!
197 ! X =    1670.711,   -1442.274,        1.000,        0.000!   !END!
198 ! X =    1675.740,   -1441.353,        1.000,        0.000!   !END!
199 ! X =    1587.179,   -1454.269,        0.000,        0.000!   !END!
200 ! X =    1589.696,   -1453.833,        0.000,        0.000!   !END!
201 ! X =    1597.250,   -1452.517,        1.000,        0.000!   !END!
202 ! X =    1609.834,   -1450.312,        1.000,        0.000!   !END!
203 ! X =    1612.351,   -1449.868,        1.000,        0.000!   !END!
204 ! X =    1614.867,   -1449.424,        1.000,        0.000!   !END!
205 ! X =    1642.541,   -1444.496,        1.000,        0.000!   !END!
206 ! X =    1675.228,   -1438.563,        1.000,        0.000!   !END!
207 ! X =    1584.177,   -1451.910,        0.000,        0.000!   !END!
208 ! X =    1586.694,   -1451.474,        0.000,        0.000!   !END!
209 ! X =    1604.310,   -1448.402,        1.000,        0.000!   !END!
210 ! X =    1606.826,   -1447.960,        1.000,        0.000!   !END!
211 ! X =    1609.343,   -1447.518,        1.000,        0.000!   !END!
212 ! X =    1642.040,   -1441.704,        1.000,        0.000!   !END!
213 ! X =    1644.554,   -1441.252,        1.000,        0.000!   !END!
214 ! X =    1647.068,   -1440.800,        1.000,        0.000!   !END!
```

```
215 ! X =    1649.582,   -1440.346,      1.000,      0.000!   !END!
216 ! X =    1652.097,   -1439.892,      1.000,      0.000!   !END!
217 ! X =    1654.611,   -1439.437,      1.000,      0.000!   !END!
218 ! X =    1657.124,   -1438.981,      1.000,      0.000!   !END!
219 ! X =    1659.637,   -1438.525,      1.000,      0.000!   !END!
220 ! X =    1662.151,   -1438.068,      1.000,      0.000!   !END!
221 ! X =    1664.665,   -1437.611,      1.000,      0.000!   !END!
222 ! X =    1667.178,   -1437.153,      1.000,      0.000!   !END!
223 ! X =    1669.691,   -1436.694,      1.000,      0.000!   !END!
224 ! X =    1672.203,   -1436.233,      1.000,      0.000!   !END!
225 ! X =    1674.716,   -1435.773,      1.000,      0.000!   !END!
226 ! X =    1581.177,   -1449.552,      0.000,      0.000!   !END!
227 ! X =    1583.693,   -1449.116,      0.000,      0.000!   !END!
228 ! X =    1591.242,   -1447.806,      1.000,      0.000!   !END!
229 ! X =    1598.790,   -1446.489,      1.000,      0.000!   !END!
230 ! X =    1601.305,   -1446.049,      1.000,      0.000!   !END!
231 ! X =    1603.821,   -1445.609,      1.000,      0.000!   !END!
232 ! X =    1575.662,   -1447.625,      0.000,      0.000!   !END!
233 ! X =    1578.177,   -1447.191,      0.000,      0.000!   !END!
234 ! X =    1580.693,   -1446.757,      0.000,      0.000!   !END!
235 ! X =    1598.301,   -1443.696,      1.000,      0.000!   !END!
236 ! X =    1575.180,   -1444.831,      0.000,      0.000!   !END!
237 ! X =    1577.695,   -1444.397,      0.000,      0.000!   !END!
238 ! X =    1582.725,   -1443.528,      1.000,      0.000!   !END!
239 ! X =    1585.240,   -1443.092,      1.000,      0.000!   !END!
240 ! X =    1587.755,   -1442.655,      0.000,      0.000!   !END!
241 ! X =    1590.269,   -1442.218,      1.000,      0.000!   !END!
242 ! X =    1597.813,   -1440.903,      1.000,      0.000!   !END!
243 ! X =    1577.213,   -1441.603,      1.000,      0.000!   !END!
244 ! X =    1579.727,   -1441.168,      1.000,      0.000!   !END!
245 ! X =    1582.242,   -1440.734,      1.000,      0.000!   !END!
246 ! X =    1589.783,   -1439.424,      1.000,      0.000!   !END!
247 ! X =    1592.298,   -1438.987,      1.000,      0.000!   !END!
248 ! X =    1594.811,   -1438.549,      1.000,      0.000!   !END!
249 ! X =    1597.324,   -1438.109,      1.000,      0.000!   !END!
250 ! X =    1579.244,   -1438.375,      1.000,      0.000!   !END!
251 ! X =    1581.758,   -1437.940,      1.000,      0.000!   !END!
```

a
Data for each receptor are treated as a separate input subgroup and therefore must end with an input group terminator.

b
Receptor height above ground is optional. If no value is entered, the receptor is placed on the ground.

APPENDIX B
SAMPLE POSTUTIL CONTROL FILE

```
FPL ADVANCED TECHNOLOGY COAL PROJECT - POSTUTIL
VISIBILITY IMPACTS AT 251 ENP RECEPTORS
4-km FL DOMAIN, 2002
---------------- Run title (3 lines) ------------------------------------------

                    POSTUTIL MODEL CONTROL FILE
                    ---------------------------

------------------------------------------------------------------------------

INPUT GROUP: 0 -- Input and Output File Names
--------------

-------------
Subgroup (0a)
-------------

Output Files
------------

 File            Default File Name
 ----            -----------------
 List File       POSTUTIL.LST       ! UTLLST =PUTATCP.LST   !
 Data File       MODEL.DAT          ! UTLDAT =PUTATCP.CON   !


Input Files
-----------

 Meteorological data files are needed for the HNO3/NO3 partition option.
 The met data file is the 'CALMET.DAT' format file used in the CALPUFF
 simulation.  If multiple CALMET files had been used in sequence, you
 may list all of these files in subgroup 0b.  Specify the total number
 of CALMET files runs you need to use, and provide the filename for each
 in subgroup 0b.

     Number of CALMET data files (NFILES)
                                  Default: 0       ! NMET    = 0   !


 A number of CALPUFF data files may be processed in this application.
 The files may represent individual CALPUFF simulations that were made
 for a specific set of species and/or sources.  Specify the total number
 of CALPUFF runs you wish to combine, and provide the filename for each
 in subgroup 0b.

     Number of CALPUFF data files (NFILES)
                                  Default: 1       ! NFILES  = 1   !


 All filenames will be converted to lower case if LCFILES = T
 Otherwise, if LCFILES = F, filenames will be converted to UPPER CASE

     Convert filenames to lower case?  Default: T     ! LCFILES = T !
         T = lower case
         F = UPPER CASE

!END!

------------------------------------------------------------
 NOTE: file/path names can be up to 70 characters in length
------------------------------------------------------------

-------------
Subgroup (0b)
-------------

NMET CALMET Data Files:

Input File      Default File Name
----------      -----------------
```

```
1            MET.DAT              * UTLMET =CALMET.DAT   * *END*

Input File       Default File Name
----------       -----------------
1            CALPUFF.DAT          ! MODDAT =..\PUFFATCP.CON   ! !END!

-------------
Note:  provide NMET lines of the form    * UTLMET = name * *END*
       and NFILES lines of the form      * MODDAT = name * *END*
       where the * should be replaced with an exclamation point,
       the special delimiter character.

------------------------------------------------------------------------------

INPUT GROUP: 1 -- General run control parameters
--------------

    Starting date:    Year  (ISYR) --    No default    ! ISYR  =  2002 !
                      Month (ISMO) --    No default    ! ISMO  = 1     !
                      Day   (ISDY) --    No default    ! ISDY  = 1     !
                      Hour  (ISHR) --    No default    ! ISHR  = 1     !

    Number of periods to process
                              (NPER) -- No default    ! NPER  = 8760 !

    Number of species to process from CALPUFF runs
                           (NSPECINP) -- No default    ! NSPECINP = 6 !

    Number of species to write to output file
                           (NSPECOUT) -- No default    ! NSPECOUT = 9 !

    Number of species to compute from those modeled
    (must be no greater than NSPECOUT)
                           (NSPECCMP) -- No default    ! NSPECCMP = 4 !


When multiple files are used, a species name may appear in more than
one file.  Data for this species will be summed (appropriate if the
CALPUFF runs use different source groups).  If this summing is not
appropriate, remove duplicate species from the file(s).

    Stop run if duplicate species names
    are found? (MDUPLCT)              Default: 0       ! MDUPLCT  =  0  !
       0 = no  (i.e., duplicate species are summed)
       1 = yes (i.e., run is halted)

Data for each species in a CALPUFF data file may also be scaled as
they are read.  This can be done to alter the emission rate of all
sources that were modeled in a particular CALPUFF application.
The scaling factor for each species is entered in Subgroup (2d), for
each file for which scaling is requested.

    Number of CALPUFF data files that will be scaled
    (must be no greater than NFILES)
    (NSCALED)                         Default: 0       ! NSCALED = 0 !


Option to recompute the HNO3/NO3 concentration partition prior to
performing other actions.  This option will NOT alter any deposition
fluxes contained in the CALPUFF file(s).  Two partition selections
are provided.  The first (MNITRATE=1) computes the partition for the
TOTAL (all sources) concentration fields (SO4, NO3, HNO3; NH3), and
the second (MNITRATE=2) uses this partition (from a previous application
of POSTUTIL) to compute the partition for individual source groups.

Required information for MNITRATE=1 includes:
        species NO3, HNO3, and SO4
        NH3 concentration(s)
```

```
            met. data file for RH and T

 Required information for MNITRATE=2 includes:
            species NO3 and HNO3 for a source group
            species NO3ALL and HNO3ALL for all source groups, properly
                    partitioned

      Recompute the HNO3/NO3 partition for concentrations?
      (MNITRATE)                    Default: 0       ! MNITRATE  =  0  !
         0 = no
         1 = yes, for all sources combined
         2 = yes, for a source group

      Ammonia concentrations may be available as a modeled species in
      the CALPUFF files.  When NH3 is listed as a processed species in
      Subgroup (2a) (as one of the NSPECINP ASPECI entries), the
      modeled values will be used in the chemical equilibrium calculation.
      If NH3 is not on this list, the default monthly background values
      listed below will be used.  If a single value is entered, this is
      used for all 12 months.  Month 1 is JANUARY, Month 12 is DECEMBER.

      Default ammonia concentration (ppb) used for HNO3/NO3 partition:
      (BCKNH3) in ppb               Default: 12*10.
      ! BCKNH3 = 1., 1., 1., 1.1, 1.4, 1.3, 1.3, 1.2, 4*1. !

!END!
--------------------------------------------------------------------------------

INPUT GROUP: 2 -- Species Processing Information
--------------

-------------
Subgroup (2a)
-------------

  The following NSPECINP species will be processed:

! ASPECI =          SO2 !          !END!
! ASPECI =          SO4 !          !END!
! ASPECI =          NOX !          !END!
! ASPECI =         HNO3 !          !END!
! ASPECI =          NO3 !          !END!
! ASPECI =         PM10 !          !END!


-------------
Subgroup (2b)
-------------

  The following NSPECOUT species will be written:

! ASPECO =          SO2 !          !END!
! ASPECO =          SO4 !          !END!
! ASPECO =          NOX !          !END!
! ASPECO =         HNO3 !          !END!
! ASPECO =          NO3 !          !END!
! ASPECO =          SOA !          !END!
! ASPECO =           EC !          !END!
! ASPECO =         SOIL !          !END!
! ASPECO =          PMC !          !END!

-------------
Subgroup (2c)
-------------

  The following NSPECCMP species will be computed by scaling and summing
  one or more of the processed input species.  Identify the name(s) of
  the computed species and provide the scaling factors for each of the
  NSPECINP input species (NSPECCMP groups of NSPECINP+1 lines each):

NOTE: SO4 IS INPUT TO CALPUFF EXPLICITLY = .200
```

```
! CSPECCMP =      SOA !
!     SO2  =      0.0 !
!     SO4  =      0.0 !
!     NOX  =      0.0 !
!    HNO3  =      0.0 !
!     NO3  =      0.0 !
!    PM10  =      0.050 !
!END!

! CSPECCMP =       EC !
!     SO2  =      0.0 !
!     SO4  =      0.0 !
!     NOX  =      0.0 !
!    HNO3  =      0.0 !
!     NO3  =      0.0 !
!    PM10  =    0.038 !
!END!

! CSPECCMP =     SOIL !
!     SO2  =      0.0 !
!     SO4  =      0.0 !
!     NOX  =      0.0 !
!    HNO3  =      0.0 !
!     NO3  =      0.0 !
!    PM10  =    0.360 !
!END!

! CSPECCMP =      PMC !
!     SO2  =      0.0 !
!     SO4  =      0.0 !
!     NOX  =      0.0 !
!    HNO3  =      0.0 !
!     NO3  =      0.0 !
!    PM10  =    0.353 !
!END!
```

Subgroup (2d)

Each species in NSCALED CALPUFF data files may be scaled before being processed (e.g., to change the emission rate for all sources modeled in the run that produced a data file). For each file, identify the file name and then provide the name(s) of the scaled species and the corresponding scaling factors (A,B where x' = Ax+B).

	A(Default=1.0)	B(Default=0.0)

APPENDIX C
SAMPLE CALPOST CONTROL FILE FOR VISIBILITY

```
FPL ADVANCED TECHNOLOGY COAL PROJECT - CALPOST
VISIBILITY IMPACTS, METHOD 2
4-KM FL GRID, 2002, 251 ENP RECEPTORS
---------------- Run title (3 lines) ------------------------------------------

                    CALPOST MODEL CONTROL FILE
                    --------------------------

------------------------------------------------------------------------------

INPUT GROUP: 0 -- Input and Output File Names
--------------

Input Files
-----------

File                        Default File Name
----                        -----------------
Conc/Dep Flux File          MODEL.DAT           ! MODDAT =..\PUTATCP.CON  !
Relative Humidity File      VISB.DAT            ! VISDAT =..\..\VISB.DAT !
Background Data File        BACK.DAT            *BACKDAT =    *
Transmissometer/            VSRN.DAT            *VSRDAT =    *
Nephelometer or
DATSAV Data File

Output Files
------------

File                        Default File Name
----                        -----------------
List File                   CALPOST.LST         ! PSTLST =PSTATCP2.LST    !

Pathname for Timeseries Files   (blank)         * TSPATH =    *
(activate with exclamation points only if
providing NON-BLANK character string)

Pathname for Plot Files    (blank)              * PLPATH =    *
(activate with exclamation points only if
 providing NON-BLANK character string)

User Character String (U) to augment default filenames
(activate with exclamation points only if
 providing NON-BLANK character string)

Timeseries                  TSttUUUU.DAT        * TSUNAM =    *

Top Nth Rank Plot           RttUUUUU.DAT
                       or   RttiiUUU.GRD        * TUNAM =    *

Exceedance Plot             XttUUUUU.DAT
                       or   XttUUUUU.GRD        * XUNAM =    *

Echo Plot                   jjjtthhU.DAT
(Specific Days)        or   jjjtthhU.GRD        * EUNAM =    *

Visibility Plot             V24UUUUU.DAT        * VUNAM =    *
(Daily Peak Summary)

------------------------------------------------------------------------------
All file names will be converted to lower case if LCFILES = T
Otherwise, if LCFILES = F, file names will be converted to UPPER CASE
         T = lower case       ! LCFILES = T !
         F = UPPER CASE
NOTE: (1) file/path names can be up to 70 characters in length
NOTE: (2) Filenames for ALL PLOT and TIMESERIES FILES are constructed
          using a template that includes a pathname, user-supplied
          character(s), and fixed strings (tt,ii,jjj, and hh), where
                tt = Averaging Period (e.g. 03)
                ii = Rank (e.g. 02)
                jjj= Julian Day
                hh = Hour(ending)
```

```
      are determined internally based on selections made below.
      If a path or user-supplied character(s) are supplied, each
      must contain at least 1 non-blank character.

!END!
--------------------------------------------------------------------------------

INPUT GROUP: 1 -- General run control parameters
---------------

     Option to run all periods found
     in the met. file(s)  (METRUN)        Default: 0   ! METRUN =   0  !

          METRUN = 0 - Run period explicitly defined below
          METRUN = 1 - Run all periods in CALPUFF data file(s)

     Starting date:    Year  (ISYR) --    No default   ! ISYR  =  2002   !
     (used only if     Month (ISMO) --    No default   ! ISMO  =  1    !
      METRUN = 0)      Day   (ISDY) --    No default   ! ISDY  =  1    !
                       Hour  (ISHR) --    No default   ! ISHR  =  1    !

     Number of hours to process (NHRS) -- No default   ! NHRS  =  8760  !

     Process every hour of data?(NREP) -- Default: 1   ! NREP  =  1   !
       (1 = every hour processed,
        2 = every 2nd hour processed,
        5 = every 5th hour processed, etc.)

Species & Concentration/Deposition Information
----------------------------------------------

      Species to process (ASPEC)        -- No default   ! ASPEC = VISIB !
      (ASPEC = VISIB for visibility processing)

      Layer/deposition code (ILAYER)    -- Default: 1   ! ILAYER = 1 !
        '1'  for CALPUFF concentrations,
        '-1' for dry deposition fluxes,
        '-2' for wet deposition fluxes,
        '-3' for wet+dry deposition fluxes.

      Scaling factors of the form:      -- Defaults:    ! A =  0.0    !
            X(new) = X(old) * A + B          A = 0.0    ! B =  0.0    !
        (NOT applied if A = B = 0.0)         B = 0.0

      Add Hourly Background Concentrations/Fluxes?
                               (LBACK)  -- Default: F   ! LBACK =  F !

Receptor information
--------------------

   Gridded receptors processed?     (LG) -- Default: F  ! LG  = F  !
   Discrete receptors processed?    (LD) -- Default: F  ! LD  = T  !
   CTSG Complex terrain receptors processed?
                                   (LCT) -- Default: F  ! LCT = F  !

--Report results by DISCRETE receptor RING?
   (only used when LD = T)       (LDRING) -- Default: F   ! LDRING = F  !

--Select range of DISCRETE receptors (only used when LD = T):

   Select ALL DISCRETE receptors by setting NDRECP flag to -1;
                                OR
   Select SPECIFIC DISCRETE receptors by entering a flag (0,1) for each
      0 = discrete receptor not processed
      1 = discrete receptor processed
   using repeated value notation to select blocks of receptors:
      23*1, 15*0, 12*1
   Flag for all receptors after the last one assigned is set to 0
   (NDRECP) -- Default: -1

   ! NDRECP = -1 !
```

```
--Select range of GRIDDED receptors (only used when LG = T):

       X index of LL corner (IBGRID) -- Default: -1      ! IBGRID = -1   !
           (-1 OR 1 <= IBGRID <= NX)

       Y index of LL corner (JBGRID) -- Default: -1      ! JBGRID = -1   !
           (-1 OR 1 <= JBGRID <= NY)

       X index of UR corner (IEGRID) -- Default: -1      ! IEGRID = -1   !
           (-1 OR 1 <= IEGRID <= NX)

       Y index of UR corner (JEGRID) -- Default: -1      ! JEGRID = -1   !
           (-1 OR 1 <= JEGRID <= NY)

  Note: Entire grid is processed if IBGRID=JBGRID=IEGRID=JEGRID=-1


--Specific gridded receptors can also be excluded from CALPOST
  processing by filling a processing grid array with 0s and 1s.  If the
  processing flag for receptor index (i,j) is 1 (ON), that receptor
  will be processed if it lies within the range delineated by IBGRID,
  JBGRID,IEGRID,JEGRID and if LG=T. If it is 0 (OFF), it will not be
  processed in the run.  By default, all array values are set to 1 (ON).

  Number of gridded receptor rows provided in Subgroup (1a) to
  identify specific gridded receptors to process
                          (NGONOFF) -- Default: 0       ! NGONOFF =  0   !

!END!


--------------
Subgroup (1a) -- Specific gridded receptors included/excluded
--------------

    Specific gridded receptors are excluded from CALPOST processing
    by filling a processing grid array with 0s and 1s.  A total of
    NGONOFF lines are read here.  Each line corresponds to one 'row'
    in the sampling grid, starting with the NORTHERNMOST row that
    contains receptors that you wish to exclude, and finishing with
    row 1 to the SOUTH (no intervening rows may be skipped).  Within
    a row, each receptor position is assigned either a 0 or 1,
    starting with the westernmost receptor.
       0 = gridded receptor not processed
       1 = gridded receptor processed

    Repeated value notation may be used to select blocks of receptors:
       23*1, 15*0, 12*1

    Because all values are initially set to 1, any receptors north of
    the first row entered, or east of the last value provided in a row,
    remain ON.

    (NGXRECP) -- Default: 1


------------------------------------------------------------------------------

INPUT GROUP: 2 -- Visibility Parameters (ASPEC = VISIB)
--------------

    Maximum relative humidity (%) used in particle growth curve
                              (RHMAX) -- Default: 98    ! RHMAX  = 95.0 !

    Modeled species to be included in computing the light extinction
     Include SULFATE?          (LVSO4) -- Default: T    ! LVSO4  = T    !
     Include NITRATE?          (LVNO3) -- Default: T    ! LVNO3  = T    !
     Include ORGANIC CARBON?   (LVOC)  -- Default: T    ! LVOC   = T    !
     Include COARSE PARTICLES? (LVPMC) -- Default: T    ! LVPMC  = T    !
```

```
Include FINE PARTICLES?    (LVPMF) -- Default: T    ! LVPMF  = T  !
Include ELEMENTAL CARBON? (LVEC)  -- Default: T    ! LVEC   = T  !

And, when ranking for TOP-N, TOP-50, and Exceedance tables,
Include BACKGROUND?        (LVBK)  -- Default: T    ! LVBK   = F  !

Species name used for particulates in MODEL.DAT file
              COARSE     (SPECPMC) -- Default: PMC ! SPECPMC = PMC !
              FINE       (SPECPMF) -- Default: PMF ! SPECPMF = SOIL !

Extinction Efficiency (1/Mm per ug/m**3)
----------------------------------------
MODELED particulate species:
          PM  COARSE       (EEPMC) -- Default: 0.6 ! EEPMC  = 0.6 !
          PM  FINE         (EEPMF) -- Default: 1.0 ! EEPMF  = 1.0 !
BACKGROUND particulate species:
          PM  COARSE     (EEPMCBK) -- Default: 0.6 ! EEPMCBK = 0.6 !
Other species:
          AMMONIUM SULFATE (EESO4) -- Default: 3.0 ! EESO4  = 3.0 !
          AMMONIUM NITRATE (EENO3) -- Default: 3.0 ! EENO3  = 3.0 !
          ORGANIC CARBON   (EEOC)  -- Default: 4.0 ! EEOC   = 4.0 !
          SOIL             (EESOIL)-- Default: 1.0 ! EESOIL = 1.0 !
          ELEMENTAL CARBON (EEEC)  -- Default: 10. ! EEEC   = 10.0 !

Background Extinction Computation
---------------------------------

Method used for background light extinction
                          (MVISBK) -- Default: 6   ! MVISBK =  2  !

    1 =  Supply single light extinction and hygroscopic fraction
         - IWAQM (1993) RH adjustment applied to hygroscopic background
           and modeled sulfate and nitrate
    2 =  Compute extinction from speciated PM measurements (A)
         - Hourly RH adjustment applied to observed and modeled sulfate
           and nitrate
         - RH factor is capped at RHMAX
    3 =  Compute extinction from speciated PM measurements (B)
         - Hourly RH adjustment applied to observed and modeled sulfate
           and nitrate
         - Receptor-hour excluded if RH>RHMAX
         - Receptor-day excluded if fewer than 6 valid receptor-hours
    4 =  Read hourly transmissometer background extinction measurements
         - Hourly RH adjustment applied to modeled sulfate and nitrate
         - Hour excluded if measurement invalid (missing, interference,
           or large RH)
         - Receptor-hour excluded if RH>RHMAX
         - Receptor-day excluded if fewer than 6 valid receptor-hours
    5 =  Read hourly nephelometer background extinction measurements
         - Rayleigh extinction value (BEXTRAY) added to measurement
         - Hourly RH adjustment applied to modeled sulfate and nitrate
         - Hour excluded if measurement invalid (missing, interference,
           or large RH)
         - Receptor-hour excluded if RH>RHMAX
         - Receptor-day excluded if fewer than 6 valid receptor-hours
    6 =  Compute extinction from speciated PM measurements
         - FLAG RH adjustment factor applied to observed and
           modeled sulfate and nitrate
    7 =  Compute extinction from speciated PM measurements as in [2]
         for 'unobstructed' conditions;  replace with extinction from
         observed visual range for fog/precipitation conditions
         - Hourly RH adjustment applied to observed and modeled sulfate
           and nitrate
         - RH factor is capped at RHMAX
         - When fog/precip is observed, replace computed Bext with:
             Bext(1/Mm) = 3912/VR(km)

Additional inputs used for MVISBK = 1:
--------------------------------------
 Background light extinction (1/Mm)
                          (BEXTBK) -- No default   ! BEXTBK = 0.0 !
```

```
      Percentage of particles affected by relative humidity
                              (RHFRAC) -- No default    ! RHFRAC = 0.0 !

     Additional inputs used for MVISBK = 6:
     ---------------------------------------
      Extinction coefficients for hygroscopic species (modeled and
      background) are computed using a monthly RH adjustment factor
      in place of an hourly RH factor (VISB.DAT file is NOT needed).
      Enter the 12 monthly factors here (RHFAC).  Month 1 is January.

      (RHFAC)   -- No default      ! RHFAC = 0.0, 0.0, 0.0, 0.0,
                                             0.0, 0.0, 0.0, 0.0,
                                             0.0, 0.0, 0.0, 0.0 !

     Additional inputs used for MVISBK = 7:
     ---------------------------------------
      The weather data file (DATSAV abbreviated space-delimited) that
      is identified as VSRN.DAT may contain data for more than one
      station.  Identify the stations that are needed in the order in
      which they will be used to obtain valid weather and visual range.
      The first station that contains valid data for an hour will be
      used.  Enter up to MXWSTA (set in PARAMS file) integer station IDs
      of up to 6 digits each as variable IDWSTA, and enter the corresponding
      time zone for each, as variable TZONE.

      (IDWSTA)    -- No default    ! IDWSTA = 690230, 080020, 080140!
      (TZONE)     -- No default    ! TZONE =      5.,     5.,     5.!

      Identify the Base Time Zone for the CALPUFF simulation
      (BTZONE)    -- No default    ! BTZONE =     5.!

     Additional inputs used for MVISBK = 2,3,6,7:
     ---------------------------------------------
      Background extinction coefficients are computed from monthly
      CONCENTRATIONS of ammonium sulfate (BKSO4), ammonium nitrate (BKNO3),
      coarse particulates (BKPMC), organic carbon (BKOC), soil (BKSOIL), and
      elemental carbon (BKEC).  Month 1 is January.
      (ug/m**3)

EXTINCTIONS FOR THE ENP ARE PROVIDED IN THE FLAG DOCUMENT (12/00)
NON-HYGROSCOPIC - 8.5
HYGROSCOPIC -  0.9/3 = 0.3
USED MVISBK = 2, DAILY EXTINCTIONS CALCULATED FROM HOURLY RH FROM DISK FILE

      (BKSO4)   -- No default      ! BKSO4 = 0.3, 0.3, 0.3, 0.3,
                                             0.3, 0.3, 0.3, 0.3,
                                             0.3, 0.3, 0.3, 0.3 !
      (BKNO3)   -- No default      ! BKNO3 = 0.0, 0.0, 0.0, 0.0,
                                             0.0, 0.0, 0.0, 0.0,
                                             0.0, 0.0, 0.0, 0.0 !
      (BKPMC)   -- No default      ! BKPMC = 0.0, 0.0, 0.0, 0.0,
                                             0.0, 0.0, 0.0, 0.0,
                                             0.0, 0.0, 0.0, 0.0 !
      (BKOC)    -- No default      ! BKOC  = 0.0, 0.0, 0.0, 0.0,
                                             0.0, 0.0, 0.0, 0.0,
                                             0.0, 0.0, 0.0, 0.0 !
      (BKSOIL) -- No default       ! BKSOIL= 8.5, 8.5, 8.5, 8.5,
                                             8.5, 8.5, 8.5, 8.5,
                                             8.5, 8.5, 8.5, 8.5 !
      (BKEC)    -- No default      ! BKEC  = 0.0, 0.0, 0.0, 0.0,
                                             0.0, 0.0, 0.0, 0.0,
                                             0.0, 0.0, 0.0, 0.0 !

     Additional inputs used for MVISBK = 2,3,5,6,7:
     -----------------------------------------------
      Extinction due to Rayleigh scattering is added (1/Mm)
                              (BEXTRAY) -- Default: 10.0 ! BEXTRAY = 11.3 !

!END!
-------------------------------------------------------------------------------
```

```
INPUT GROUP: 3 -- Output options
--------------

Output Units
------------
     Units for All Output        (IPRTU) -- Default: 1    ! IPRTU =  1    !
                        for              for
                  Concentration    Deposition
        1 =          g/m**3          g/m**2/s
        2 =         mg/m**3         mg/m**2/s
        3 =         ug/m**3         ug/m**2/s
        4 =         ng/m**3         ng/m**2/s
        5 =       Odour Units

     Visibility: extinction expressed in 1/Mega-meters (IPRTU is ignored)

Averaging time(s) reported
--------------------------

     1-hr averages             (L1HR) -- Default: T    !   L1HR = F   !

     3-hr averages             (L3HR) -- Default: T    !   L3HR = F   !

     24-hr averages           (L24HR) -- Default: T    !  L24HR = T   !

     Run-length averages      (LRUNL) -- Default: T    !  LRUNL = F   !

     User-specified averaging time in hours - results for
     an averaging time of NAVG hours are reported for
     NAVG greater than 0:
                              (NAVG) -- Default: 0    !   NAVG =  0   !

Types of tabulations reported
-----------------------------

    1) Visibility: daily visibility tabulations are always reported
                   for the selected receptors when ASPEC = VISIB.
                   In addition, any of the other tabulations listed
                   below may be chosen to characterize the light
                   extinction coefficients.
                   [List file or Plot/Analysis File]


    2) Top 50 table for each averaging time selected
       [List file only]
                              (LT50) -- Default: T    !   LT50 = T   !

    3) Top 'N' table for each averaging time selected
       [List file or Plot file]
                            (LTOPN) -- Default: F    !  LTOPN = F   !

         -- Number of 'Top-N' values at each receptor
            selected (NTOP must be <= 4)
                              (NTOP) -- Default: 4    ! NTOP =  4    !

         -- Specific ranks of 'Top-N' values reported
            (NTOP values must be entered)
                    (ITOP(4) array) -- Default:      ! ITOP =  1,2,3,4  !
                                       1,2,3,4


    4) Threshold exceedance counts for each receptor and each averaging
       time selected
       [List file or Plot file]
                            (LEXCD) -- Default: F    !  LEXCD = F   !

         -- Identify the threshold for each averaging time by assigning a
            non-negative value (output units).
```

```
                                -- Default: -1.0
      Threshold for  1-hr averages    (THRESH1) !  THRESH1 = -1.0  !
      Threshold for  3-hr averages    (THRESH3) !  THRESH3 = -1.0  !
      Threshold for 24-hr averages   (THRESH24) ! THRESH24 = -1.0  !
      Threshold for NAVG-hr averages (THRESHN) !  THRESHN = -1.0  !


    -- Counts for the shortest averaging period selected can be
       tallied daily, and receptors that experience more than NCOUNT
       counts over any NDAY period will be reported.  This type of
       exceedance violation output is triggered only if NDAY > 0.

       Accumulation period(Days)
                        (NDAY) -- Default: 0    !    NDAY =  0  !
       Number of exceedances allowed
                      (NCOUNT) -- Default: 1    !  NCOUNT =  1  !


5) Selected day table(s)

    Echo Option -- Many records are written each averaging period
    selected and output is grouped by day
    [List file or Plot file]
                        (LECHO) -- Default: F    !  LECHO = F  !

    Timeseries Option -- Averages at all selected receptors for
    each selected averaging period are written to timeseries files.
    Each file contains one averaging period, and all receptors are
    written to a single record each averaging time.
    [TSttUUUU.DAT files]
                        (LTIME) -- Default: F    !  LTIME = F  !

      -- Days selected for output
                   (IECHO(366)) -- Default: 366*0
       ! IECHO  = 366*0  !
       (366 values must be entered)

Plot output options
-------------------

    Plot files can be created for the Top-N, Exceedance, and Echo
    tables selected above.  Two formats for these files are available,
    DATA and GRID.  In the DATA format, results at all receptors are
    listed along with the receptor location [x,y,val1,val2,...].
    In the GRID format, results at only gridded receptors are written,
    using a compact representation.  The gridded values are written in
    rows (x varies), starting with the most southern row of the grid.
    The GRID format is given the .GRD extension, and includes headers
    compatible with the SURFER(R) plotting software.

    A plotting and analysis file can also be created for the daily
    peak visibility summary output, in DATA format only.

    Generate Plot file output in addition to writing tables
    to List file?
                                (LPLT) -- Default: F   ! LPLT  = F !

    Use GRID format rather than DATA format,
    when available?
                                (LGRD) -- Default: F   ! LGRD  = F !


Additional Output Options
-------------------------

   Output selected information to List file
    for debugging?
                              (LDEBUG) -- Default: F  ! LDEBUG  = F !

   Output hourly extinction information to REPORT.HRV?
    (Visibility Method 7)
```

APPENDIX D
SAMPLE CONTROL FILES FOR DEPOSITION ANALYSIS

```
FPL ADVANCED TECHNOLOGY COAL PROJECT - POSTUTIL FOR DEPOSITION
2x**** MW COAL-FIRED UNITS
IMPACTS PREDICTED AT EVERGLADES NP, 2001 4-KM VISTAS FL DOMAIN (DOMAIN 2)
---------------- Run title (3 lines) ----------------------------------------

                    POSTUTIL MODEL CONTROL FILE
                    ---------------------------

------------------------------------------------------------------------------

INPUT GROUP: 0 -- Input and Output File Names
--------------

-------------
Subgroup (0a)
-------------

Output Files
------------

 File            Default File Name
 ----            -----------------
 List File       POSTUTIL.LST        ! UTLLST =PUTDEP.LST    !
 Data File       MODEL.DAT           ! UTLDAT =PUTDEP.DEP    !


Input Files
-----------

 Meteorological data files are needed for the HNO3/NO3 partition option.
 The met data file is the 'CALMET.DAT' format file used in the CALPUFF
 simulation.  If multiple CALMET files had been used in sequence, you
 may list all of these files in subgroup 0b.  Specify the total number
 of CALMET files runs you need to use, and provide the filename for each
 in subgroup 0b.

     Number of CALMET data files (NFILES)
                                    Default: 0       ! NMET    = 0   !


 A number of CALPUFF data files may be processed in this application.
 The files may represent individual CALPUFF simulations that were made
 for a specific set of species and/or sources.  Specify the total number
 of CALPUFF runs you wish to combine, and provide the filename for each
 in subgroup 0b.

     Number of CALPUFF data files (NFILES)
                                    Default: 1       ! NFILES  = 2   !


 All filenames will be converted to lower case if LCFILES = T
 Otherwise, if LCFILES = F, filenames will be converted to UPPER CASE

     Convert filenames to lower case?  Default: T     ! LCFILES = T !
         T = lower case
         F = UPPER CASE

!END!

-------------------------------------------------------------
 NOTE: file/path names can be up to 70 characters in length
-------------------------------------------------------------

-------------
Subgroup (0b)
-------------

NMET CALMET Data Files:

Input File      Default File Name
----------      -----------------
```

```
 1            MET.DAT             * UTLMET =CALMET.DAT   * *END*


Input File      Default File Name
----------      -----------------
   1            CALPUFF.DAT         ! MODDAT =..\PUFFAN.DRY  ! !END!
   2            CALPUFF.DAT         ! MODDAT =..\PUFFAN.WET  ! !END!


------------
Note:  provide NMET lines of the form    * UTLMET = name * *END*
       and NFILES lines of the form      * MODDAT = name * *END*
       where the * should be replaced with an exclamation point,
       the special delimiter character.

-------------------------------------------------------------------------------

INPUT GROUP: 1 -- General run control parameters
--------------

     Starting date:    Year  (ISYR) --    No default   ! ISYR  = 2001 !
                       Month (ISMO) --    No default   ! ISMO  = 1    !
                       Day   (ISDY) --    No default   ! ISDY  = 1    !
                       Hour  (ISHR) --    No default   ! ISHR  = 1    !

      Number of periods to process
                              (NPER) -- No default    ! NPER  = 8760 !

      Number of species to process from CALPUFF runs
                           (NSPECINP) -- No default   ! NSPECINP = 7 !

      Number of species to write to output file
                           (NSPECOUT) -- No default   ! NSPECOUT = 2 !

      Number of species to compute from those modeled
      (must be no greater than NSPECOUT)
                           (NSPECCMP) -- No default   ! NSPECCMP = 2 !


   When multiple files are used, a species name may appear in more than
   one file.  Data for this species will be summed (appropriate if the
   CALPUFF runs use different source groups).  If this summing is not
   appropriate, remove duplicate species from the file(s).

      Stop run if duplicate species names
      are found? (MDUPLCT)              Default: 0       ! MDUPLCT  =  0  !
         0 = no  (i.e., duplicate species are summed)
         1 = yes (i.e., run is halted)

   Data for each species in a CALPUFF data file may also be scaled as
   they are read.  This can be done to alter the emission rate of all
   sources that were modeled in a particular CALPUFF application.
   The scaling factor for each species is entered in Subgroup (2d), for
   each file for which scaling is requested.

      Number of CALPUFF data files that will be scaled
      (must be no greater than NFILES)
      (NSCALED)                         Default: 0       ! NSCALED = 0 !


   Option to recompute the HNO3/NO3 concentration partition prior to
   performing other actions.  This option will NOT alter any deposition
   fluxes contained in the CALPUFF file(s).  Two partition selections
   are provided.  The first (MNITRATE=1) computes the partition for the
   TOTAL (all sources) concentration fields (SO4, NO3, HNO3; NH3), and
   the second (MNITRATE=2) uses this partition (from a previous application
   of POSTUTIL) to compute the partition for individual source groups.

   Required information for MNITRATE=1 includes:
           species NO3, HNO3, and SO4
```

```
           NH3 concentration(s)
           met. data file for RH and T

 Required information for MNITRATE=2 includes:
           species NO3 and HNO3 for a source group
           species NO3ALL and HNO3ALL for all source groups, properly
                   partitioned

     Recompute the HNO3/NO3 partition for concentrations?
     (MNITRATE)                    Default: 0       ! MNITRATE  =  0  !
        0 = no
        1 = yes, for all sources combined
        2 = yes, for a source group

     Ammonia concentrations may be available as a modeled species in
     the CALPUFF files.  When NH3 is listed as a processed species in
     Subgroup (2a) (as one of the NSPECINP ASPECI entries), the
     modeled values will be used in the chemical equilibrium calculation.
     If NH3 is not on this list, the default background value listed
     below will be used.
     Default ammonia concentration (ppb) used for HNO3/NO3 partition:
     (BCKNH3) in ppb               Default: 10.     ! BCKNH3 = 1. !

!END!
--------------------------------------------------------------------------------

INPUT GROUP: 2 -- Species Processing Information
-----------

-------------
Subgroup (2a)
-------------

  The following NSPECINP species will be processed:

! ASPECI =          SO2 !          !END!
! ASPECI =          SO4 !          !END!
! ASPECI =          NOX !          !END!
! ASPECI =         HNO3 !          !END!
! ASPECI =          NO3 !          !END!
! ASPECI =         PM10 !          !END!
! ASPECI =           CO !          !END!


-------------
Subgroup (2b)
-------------

  The following NSPECOUT species will be written:

! ASPECO =            N !          !END!
! ASPECO =            S !          !END!

-------------
Subgroup (2c)
-------------

  The following NSPECCMP species will be computed by scaling and summing
  one or more of the processed input species.  Identify the name(s) of
  the computed species and provide the scaling factors for each of the
  NSPECINP input species (NSPECCMP groups of NSPECINP+1 lines each):


! CSPECCMP =         N !
!      SO2  =     0.0 !
!      SO4  =     0.292 !
!      NOX  =     0.304 !
!     HNO3  =     0.222 !
!      NO3  =     0.452 !
!     PM10  =     0.0 !
!       CO  =     0.0 !
```

```
!END!

! CSPECCMP =        S !
!     SO2  =    0.500 !
!     SO4  =    0.333 !
!     NOX  =    0.0 !
!    HNO3  =    0.0 !
!     NO3  =    0.0 !
!    PM10  =    0.0 !
!      CO  =    0.0 !
!END!
```

Subgroup (2d)

Each species in NSCALED CALPUFF data files may be scaled before being processed (e.g., to change the emission rate for all sources modeled in the run that produced a data file). For each file, identify the file name and then provide the name(s) of the scaled species and the corresponding scaling factors (A,B where x' = Ax+B).

	A(Default=1.0)	B(Default=0.0)

```
FPL ADVANCED TECHNOLOGY COAL PROJECT - CALPOST FOR N DEPOSITION
2x**** MW COAL-FIRED UNITS
IMPACTS PREDICTED AT EVERGLADES NP, 2001 4-KM VISTAS FL DOMAIN (DOMAIN 2)
---------------- Run title (3 lines) ------------------------------------------

                    CALPOST MODEL CONTROL FILE
                    --------------------------

------------------------------------------------------------------------------

INPUT GROUP: 0 -- Input and Output File Names
--------------

Input Files
-----------

File                        Default File Name
----                        -----------------
Conc/Dep Flux File          MODEL.DAT           ! MODDAT =..\PUTDEP.DEP   !
Relative Humidity File      VISB.DAT            * VISDAT =                *
Background Data File        BACK.DAT            *BACKDAT =    *
Transmissometer/            VSRN.DAT            *VSRDAT =    *
Nephelometer or
DATSAV Data File

Output Files
------------

File                        Default File Name
----                        -----------------
List File                   CALPOST.LST         ! PSTLST =PSTNDEP.LST   !

Pathname for Timeseries Files   (blank)         * TSPATH =    *
(activate with exclamation points only if
providing NON-BLANK character string)

Pathname for Plot Files    (blank)              * PLPATH =    *
(activate with exclamation points only if
 providing NON-BLANK character string)

User Character String (U) to augment default filenames
(activate with exclamation points only if
 providing NON-BLANK character string)

Timeseries                  TSttUUUU.DAT        * TSUNAM =    *

Top Nth Rank Plot           RttUUUUU.DAT
                       or   RttiiUUU.GRD        * TUNAM =    *

Exceedance Plot             XttUUUUU.DAT
                       or   XttUUUUU.GRD        * XUNAM =    *

Echo Plot                   jjjtthhU.DAT
(Specific Days)        or   jjjtthhU.GRD        * EUNAM =    *

Visibility Plot             V24UUUUU.DAT        * VUNAM =    *
(Daily Peak Summary)

------------------------------------------------------------------------------
All file names will be converted to lower case if LCFILES = T
Otherwise, if LCFILES = F, file names will be converted to UPPER CASE
         T = lower case       ! LCFILES = T !
         F = UPPER CASE
NOTE: (1) file/path names can be up to 70 characters in length
NOTE: (2) Filenames for ALL PLOT and TIMESERIES FILES are constructed
          using a template that includes a pathname, user-supplied
          character(s), and fixed strings (tt,ii,jjj, and hh), where
                tt = Averaging Period (e.g. 03)
                ii = Rank (e.g. 02)
                jjj= Julian Day
                hh = Hour(ending)
```

```
      are determined internally based on selections made below.
      If a path or user-supplied character(s) are supplied, each
      must contain at least 1 non-blank character.

!END!
--------------------------------------------------------------------------------

INPUT GROUP: 1 -- General run control parameters
--------------

    Option to run all periods found
    in the met. file(s)  (METRUN)        Default: 0   ! METRUN =   0  !

       METRUN = 0 - Run period explicitly defined below
       METRUN = 1 - Run all periods in CALPUFF data file(s)

    Starting date:    Year  (ISYR) --    No default   ! ISYR  =  2001   !
    (used only if     Month (ISMO) --    No default   ! ISMO  =  1    !
     METRUN = 0)      Day   (ISDY) --    No default   ! ISDY  =  1    !
                      Hour  (ISHR) --    No default   ! ISHR  =  1    !

    Number of hours to process (NHRS) -- No default   ! NHRS  =  8760  !

    Process every hour of data?(NREP) -- Default: 1   ! NREP  =  1  !
     (1 = every hour processed,
      2 = every 2nd hour processed,
      5 = every 5th hour processed, etc.)

Species & Concentration/Deposition Information
----------------------------------------------

    Species to process (ASPEC)       -- No default   ! ASPEC = N !
    (ASPEC = VISIB for visibility processing)

    Layer/deposition code (ILAYER)   -- Default: 1   ! ILAYER = -3 !
       '1'  for CALPUFF concentrations,
       '-1' for dry deposition fluxes,
       '-2' for wet deposition fluxes,
       '-3' for wet+dry deposition fluxes.

    Scaling factors of the form:     -- Defaults:    ! A =  0.0    !
          X(new) = X(old) * A + B          A = 0.0   ! B =  0.0    !
      (NOT applied if A = B = 0.0)         B = 0.0

    Add Hourly Background Concentrations/Fluxes?
                           (LBACK)  -- Default: F   ! LBACK =  F !

Receptor information
--------------------

  Gridded receptors processed?     (LG) -- Default: F   ! LG  = F  !
  Discrete receptors processed?    (LD) -- Default: F   ! LD  = T  !
  CTSG Complex terrain receptors processed?
                                   (LCT) -- Default: F   ! LCT = F  !

--Report results by DISCRETE receptor RING?
  (only used when LD = T)       (LDRING) -- Default: F   ! LDRING = F  !

--Select range of DISCRETE receptors (only used when LD = T):

  Select ALL DISCRETE receptors by setting NDRECP flag to -1;
                              OR
  Select SPECIFIC DISCRETE receptors by entering a flag (0,1) for each
     0 = discrete receptor not processed
     1 = discrete receptor processed
  using repeated value notation to select blocks of receptors:
     23*1, 15*0, 12*1
  Flag for all receptors after the last one assigned is set to 0
  (NDRECP) -- Default: -1

  ! NDRECP = -1 !
```

```
--Select range of GRIDDED receptors (only used when LG = T):

       X index of LL corner (IBGRID) -- Default: -1      ! IBGRID = -1   !
           (-1 OR 1 <= IBGRID <= NX)

       Y index of LL corner (JBGRID) -- Default: -1      ! JBGRID = -1   !
           (-1 OR 1 <= JBGRID <= NY)

       X index of UR corner (IEGRID) -- Default: -1      ! IEGRID = -1   !
           (-1 OR 1 <= IEGRID <= NX)

       Y index of UR corner (JEGRID) -- Default: -1      ! JEGRID = -1   !
           (-1 OR 1 <= JEGRID <= NY)

  Note: Entire grid is processed if IBGRID=JBGRID=IEGRID=JEGRID=-1


--Specific gridded receptors can also be excluded from CALPOST
  processing by filling a processing grid array with 0s and 1s.  If the
  processing flag for receptor index (i,j) is 1 (ON), that receptor
  will be processed if it lies within the range delineated by IBGRID,
  JBGRID, IEGRID, JEGRID and if LG=T. If it is 0 (OFF), it will not be
  processed in the run.  By default, all array values are set to 1 (ON).

  Number of gridded receptor rows provided in Subgroup (1a) to
  identify specific gridded receptors to process
                          (NGONOFF) -- Default: 0       ! NGONOFF =  0   !

!END!


--------------
Subgroup (1a) -- Specific gridded receptors included/excluded
--------------

    Specific gridded receptors are excluded from CALPOST processing
    by filling a processing grid array with 0s and 1s.  A total of
    NGONOFF lines are read here.  Each line corresponds to one 'row'
    in the sampling grid, starting with the NORTHERNMOST row that
    contains receptors that you wish to exclude, and finishing with
    row 1 to the SOUTH (no intervening rows may be skipped).  Within
    a row, each receptor position is assigned either a 0 or 1,
    starting with the westernmost receptor.
       0 = gridded receptor not processed
       1 = gridded receptor processed

    Repeated value notation may be used to select blocks of receptors:
       23*1, 15*0, 12*1

    Because all values are initially set to 1, any receptors north of
    the first row entered, or east of the last value provided in a row,
    remain ON.

    (NGXRECP) -- Default: 1


-------------------------------------------------------------------------------

INPUT GROUP: 2 -- Visibility Parameters (ASPEC = VISIB)
--------------

    Maximum relative humidity (%) used in particle growth curve
                             (RHMAX) -- Default: 98    ! RHMAX  = 98.0 !

    Modeled species to be included in computing the light extinction
      Include SULFATE?          (LVSO4) -- Default: T    ! LVSO4  = T  !
      Include NITRATE?          (LVNO3) -- Default: T    ! LVNO3  = T  !
      Include ORGANIC CARBON?   (LVOC)  -- Default: T    ! LVOC   = T  !
      Include COARSE PARTICLES? (LVPMC) -- Default: T    ! LVPMC  = T  !
```

```
    Include FINE PARTICLES?    (LVPMF) -- Default: T    ! LVPMF  = T  !
    Include ELEMENTAL CARBON? (LVEC)  -- Default: T    ! LVEC   = T  !

    And, when ranking for TOP-N, TOP-50, and Exceedance tables,
    Include BACKGROUND?        (LVBK)  -- Default: T    ! LVBK   = F  !

    Species name used for particulates in MODEL.DAT file
                  COARSE     (SPECPMC) -- Default: PMC ! SPECPMC = PMC !
                  FINE       (SPECPMF) -- Default: PMF ! SPECPMF = PMF !

Extinction Efficiency (1/Mm per ug/m**3)
----------------------------------------
    MODELED particulate species:
              PM  COARSE       (EEPMC) -- Default: 0.6 ! EEPMC  = 0.6 !
              PM  FINE         (EEPMF) -- Default: 1.0 ! EEPMF  = 1.0 !
    BACKGROUND particulate species:
              PM  COARSE     (EEPMCBK) -- Default: 0.6 ! EEPMCBK = 0.6 !
    Other species:
             AMMONIUM SULFATE (EESO4) -- Default: 3.0 ! EESO4  = 3.0 !
             AMMONIUM NITRATE (EENO3) -- Default: 3.0 ! EENO3  = 3.0 !
             ORGANIC CARBON   (EEOC)  -- Default: 4.0 ! EEOC   = 4.0 !
             SOIL             (EESOIL)-- Default: 1.0 ! EESOIL = 1.0 !
             ELEMENTAL CARBON (EEEC)  -- Default: 10. ! EEEC   = 10.0 !

Background Extinction Computation
---------------------------------

    Method used for background light extinction
                             (MVISBK) -- Default: 6   ! MVISBK =  2  !

         1 =  Supply single light extinction and hygroscopic fraction
              - IWAQM (1993) RH adjustment applied to hygroscopic background
                and modeled sulfate and nitrate
         2 =  Compute extinction from speciated PM measurements (A)
              - Hourly RH adjustment applied to observed and modeled sulfate
                and nitrate
              - RH factor is capped at RHMAX
         3 =  Compute extinction from speciated PM measurements (B)
              - Hourly RH adjustment applied to observed and modeled sulfate
                and nitrate
              - Receptor-hour excluded if RH>RHMAX
              - Receptor-day excluded if fewer than 6 valid receptor-hours
         4 =  Read hourly transmissometer background extinction measurements
              - Hourly RH adjustment applied to modeled sulfate and nitrate
              - Hour excluded if measurement invalid (missing, interference,
                or large RH)
              - Receptor-hour excluded if RH>RHMAX
              - Receptor-day excluded if fewer than 6 valid receptor-hours
         5 =  Read hourly nephelometer background extinction measurements
              - Rayleigh extinction value (BEXTRAY) added to measurement
              - Hourly RH adjustment applied to modeled sulfate and nitrate
              - Hour excluded if measurement invalid (missing, interference,
                or large RH)
              - Receptor-hour excluded if RH>RHMAX
              - Receptor-day excluded if fewer than 6 valid receptor-hours
         6 =  Compute extinction from speciated PM measurements
              - FLAG RH adjustment factor applied to observed and
                modeled sulfate and nitrate
         7 =  Compute extinction from speciated PM measurements as in [2]
              for 'unobstructed' conditions;  replace with extinction from
              observed visual range for fog/precipitation conditions
              - Hourly RH adjustment applied to observed and modeled sulfate
                and nitrate
              - RH factor is capped at RHMAX
              - When fog/precip is observed, replace computed Bext with:
                  Bext(1/Mm) = 3912/VR(km)

     Additional inputs used for MVISBK = 1:
     --------------------------------------
      Background light extinction (1/Mm)
                             (BEXTBK) -- No default   ! BEXTBK = 0.0 !
```

```
 Percentage of particles affected by relative humidity
                          (RHFRAC) -- No default    ! RHFRAC = 0.0 !

Additional inputs used for MVISBK = 6:
---------------------------------------
 Extinction coefficients for hygroscopic species (modeled and
 background) are computed using a monthly RH adjustment factor
 in place of an hourly RH factor (VISB.DAT file is NOT needed).
 Enter the 12 monthly factors here (RHFAC).  Month 1 is January.

 (RHFAC)  -- No default      ! RHFAC = 0.0, 0.0, 0.0, 0.0,
                                       0.0, 0.0, 0.0, 0.0,
                                       0.0, 0.0, 0.0, 0.0 !

Additional inputs used for MVISBK = 7:
---------------------------------------
 The weather data file (DATSAV abbreviated space-delimited) that
 is identified as VSRN.DAT may contain data for more than one
 station.  Identify the stations that are needed in the order in
 which they will be used to obtain valid weather and visual range.
 The first station that contains valid data for an hour will be
 used.  Enter up to MXWSTA (set in PARAMS file) integer station IDs
 of up to 6 digits each as variable IDWSTA, and enter the corresponding
 time zone for each, as variable TZONE.

 (IDWSTA)   -- No default    ! IDWSTA = 690230, 080020, 080140!
 (TZONE)    -- No default    ! TZONE =      5.,     5.,     5.!

 Identify the Base Time Zone for the CALPUFF simulation
 (BTZONE)   -- No default    ! BTZONE =     6.!

Additional inputs used for MVISBK = 2,3,6,7:
---------------------------------------------
 Background extinction coefficients are computed from monthly
 CONCENTRATIONS of ammonium sulfate (BKSO4), ammonium nitrate (BKNO3),
 coarse particulates (BKPMC), organic carbon (BKOC), soil (BKSOIL), and
 elemental carbon (BKEC).  Month 1 is January.
 (ug/m**3)


 (BKSO4)  -- No default      ! BKSO4 = 0.0, 0.0, 0.0, 0.0,
                                       0.0, 0.0, 0.0, 0.0,
                                       0.0, 0.0, 0.0, 0.0 !
 (BKNO3)  -- No default      ! BKNO3 = 0.0, 0.0, 0.0, 0.0,
                                       0.0, 0.0, 0.0, 0.0,
                                       0.0, 0.0, 0.0, 0.0 !
 (BKPMC)  -- No default      ! BKPMC = 0.0, 0.0, 0.0, 0.0,
                                       0.0, 0.0, 0.0, 0.0,
                                       0.0, 0.0, 0.0, 0.0 !
 (BKOC)   -- No default      ! BKOC  = 0.0, 0.0, 0.0, 0.0,
                                       0.0, 0.0, 0.0, 0.0,
                                       0.0, 0.0, 0.0, 0.0 !
 (BKSOIL) -- No default      ! BKSOIL= 0.0, 0.0, 0.0, 0.0,
                                       0.0, 0.0, 0.0, 0.0,
                                       0.0, 0.0, 0.0, 0.0 !
 (BKEC)   -- No default      ! BKEC  = 0.0, 0.0, 0.0, 0.0,
                                       0.0, 0.0, 0.0, 0.0,
                                       0.0, 0.0, 0.0, 0.0 !

Additional inputs used for MVISBK = 2,3,5,6,7:
-----------------------------------------------
 Extinction due to Rayleigh scattering is added (1/Mm)
                          (BEXTRAY) -- Default: 10.0 ! BEXTRAY = 10.0 !

!END!
--------------------------------------------------------------------------------

INPUT GROUP: 3 -- Output options
--------------

Output Units
```

```
Units for All Output        (IPRTU) -- Default: 1    ! IPRTU =  1  !
                  for              for
              Concentration    Deposition
   1 =           g/m**3          g/m**2/s
   2 =          mg/m**3         mg/m**2/s
   3 =          ug/m**3         ug/m**2/s
   4 =          ng/m**3         ng/m**2/s
   5 =       Odour Units

Visibility: extinction expressed in 1/Mega-meters (IPRTU is ignored)


Averaging time(s) reported
--------------------------

1-hr averages             (L1HR) -- Default: T    !   L1HR = F  !

3-hr averages             (L3HR) -- Default: T    !   L3HR = F  !

24-hr averages           (L24HR) -- Default: T    !  L24HR = F  !

Run-length averages      (LRUNL) -- Default: T    !  LRUNL = T  !

User-specified averaging time in hours - results for
an averaging time of NAVG hours are reported for
NAVG greater than 0:
                          (NAVG) -- Default: 0    !   NAVG =  0  !


Types of tabulations reported
-----------------------------

1) Visibility: daily visibility tabulations are always reported
               for the selected receptors when ASPEC = VISIB.
               In addition, any of the other tabulations listed
               below may be chosen to characterize the light
               extinction coefficients.
               [List file or Plot/Analysis File]


2) Top 50 table for each averaging time selected
   [List file only]
                          (LT50) -- Default: T    !   LT50 = F  !

3) Top 'N' table for each averaging time selected
   [List file or Plot file]
                         (LTOPN) -- Default: F    !  LTOPN = T  !

     -- Number of 'Top-N' values at each receptor
        selected (NTOP must be <= 4)
                          (NTOP) -- Default: 4    ! NTOP =  1   !

     -- Specific ranks of 'Top-N' values reported
        (NTOP values must be entered)
                 (ITOP(4) array) -- Default:      ! ITOP =  1  !
                                    1,2,3,4


4) Threshold exceedance counts for each receptor and each averaging
   time selected
   [List file or Plot file]
                         (LEXCD) -- Default: F    !  LEXCD = F  !

     -- Identify the threshold for each averaging time by assigning a
        non-negative value (output units).

                                 -- Default: -1.0
        Threshold for  1-hr averages   (THRESH1) !  THRESH1 = -1.0  !
        Threshold for  3-hr averages   (THRESH3) !  THRESH3 = -1.0  !
        Threshold for 24-hr averages  (THRESH24) ! THRESH24 = -1.0  !
```

```
      Threshold for NAVG-hr averages (THRESHN) !  THRESHN = -1.0  !


    -- Counts for the shortest averaging period selected can be
       tallied daily, and receptors that experience more than NCOUNT
       counts over any NDAY period will be reported.  This type of
       exceedance violation output is triggered only if NDAY > 0.

       Accumulation period(Days)
                        (NDAY) -- Default: 0   !    NDAY =  0  !
       Number of exceedances allowed
                      (NCOUNT) -- Default: 1   !  NCOUNT =  1  !


  5) Selected day table(s)

     Echo Option -- Many records are written each averaging period
     selected and output is grouped by day
     [List file or Plot file]
                          (LECHO) -- Default: F   !  LECHO = F  !

     Timeseries Option -- Averages at all selected receptors for
     each selected averaging period are written to timeseries files.
     Each file contains one averaging period, and all receptors are
     written to a single record each averaging time.
     [TSttUUUU.DAT files]
                          (LTIME) -- Default: F   !  LTIME = F  !

       -- Days selected for output
                    (IECHO(366)) -- Default: 366*0
       ! IECHO  = 366*0  !
       (366 values must be entered)

Plot output options
-------------------

     Plot files can be created for the Top-N, Exceedance, and Echo
     tables selected above.  Two formats for these files are available,
     DATA and GRID.  In the DATA format, results at all receptors are
     listed along with the receptor location [x,y,val1,val2,...].
     In the GRID format, results at only gridded receptors are written,
     using a compact representation.  The gridded values are written in
     rows (x varies), starting with the most southern row of the grid.
     The GRID format is given the .GRD extension, and includes headers
     compatible with the SURFER(R) plotting software.

     A plotting and analysis file can also be created for the daily
     peak visibility summary output, in DATA format only.

     Generate Plot file output in addition to writing tables
     to List file?
                                (LPLT) -- Default: F   ! LPLT  = F !

     Use GRID format rather than DATA format,
     when available?
                                (LGRD) -- Default: F   ! LGRD  = F !


Additional Output Options
-------------------------

   Output selected information to List file
    for debugging?
                              (LDEBUG) -- Default: F  ! LDEBUG  = F !

   Output hourly extinction information to REPORT.HRV?
    (Visibility Method 7)
                             (LVEXTHR) -- Default: F  ! LVEXTHR = F !

!END!
```